

PAN-CANCER MARKERS FOR PROTEOMIC PHENOTYPING

33 TUMOR TYPES

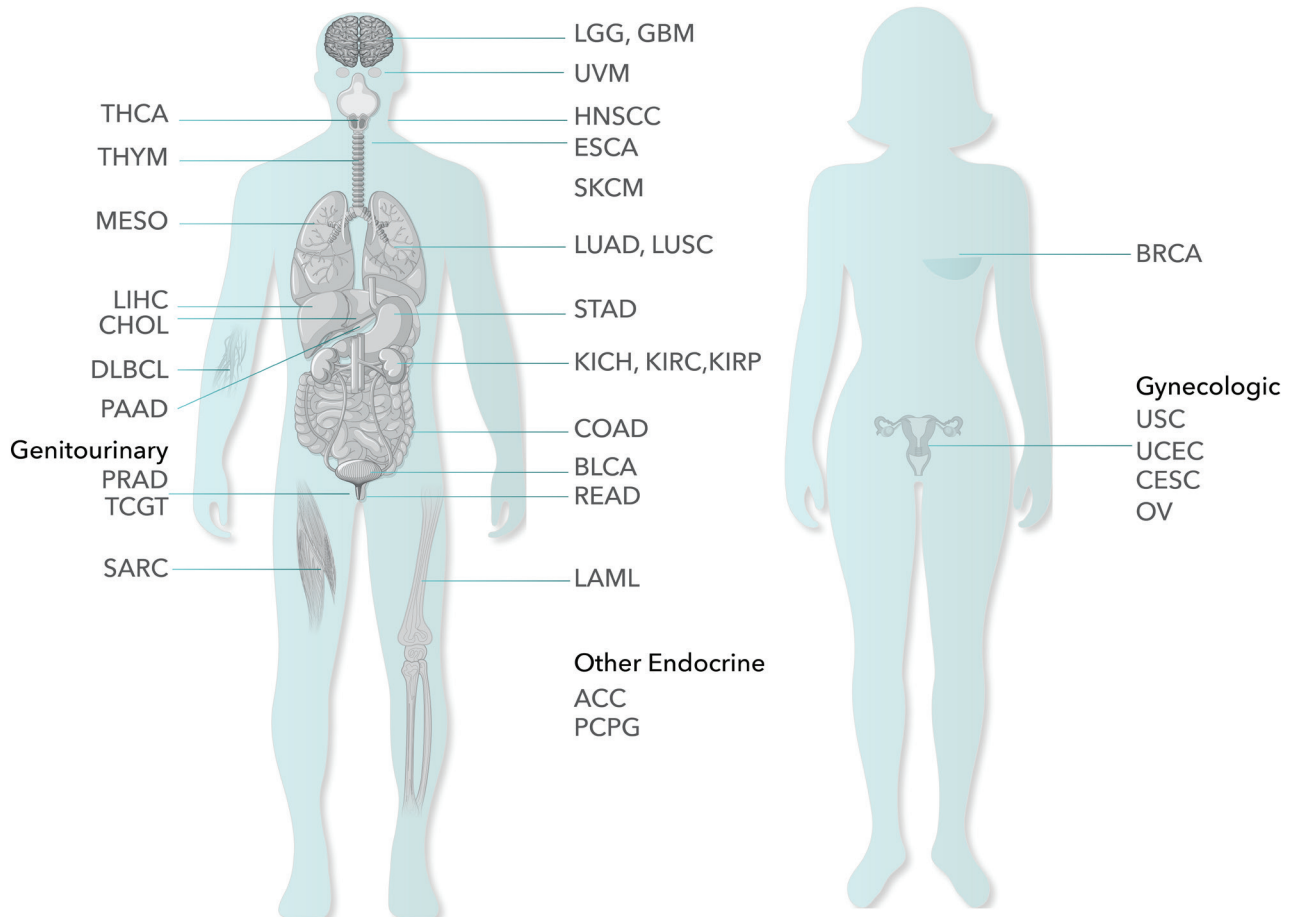
CODED ACCORDING TO THE PAN-CANCER ATLAS

185 PAN-CANCER CAMPAIGN GENES

CATEGORIZED BY TUMOR TYPE

309 PRIMARY ANTIBODIES

CLASSIFIED BY TUMOR TYPE



official distributor

 **ATLAS ANTIBODIES**

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Part of Europa Biosite

PAN-CANCER MARKERS FOR PROTEOMIC PHENOTYPING

Together with genomics and transcriptomics, proteomics plays a crucial role in understanding the complexity of cancer biology.

Atlas Antibodies is currently running an exclusive -15% sale campaign, providing limited-time discounts on over 300 Pan-Cancer antibodies which cover 33 tumor types featured in the Pan-Cancer Atlas.

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The antibodies are available as both polyclonal (Triple A Polyclonals™) and monoclonal (PrecisA Monoclonals™).

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ATLAS ANTIBODIES



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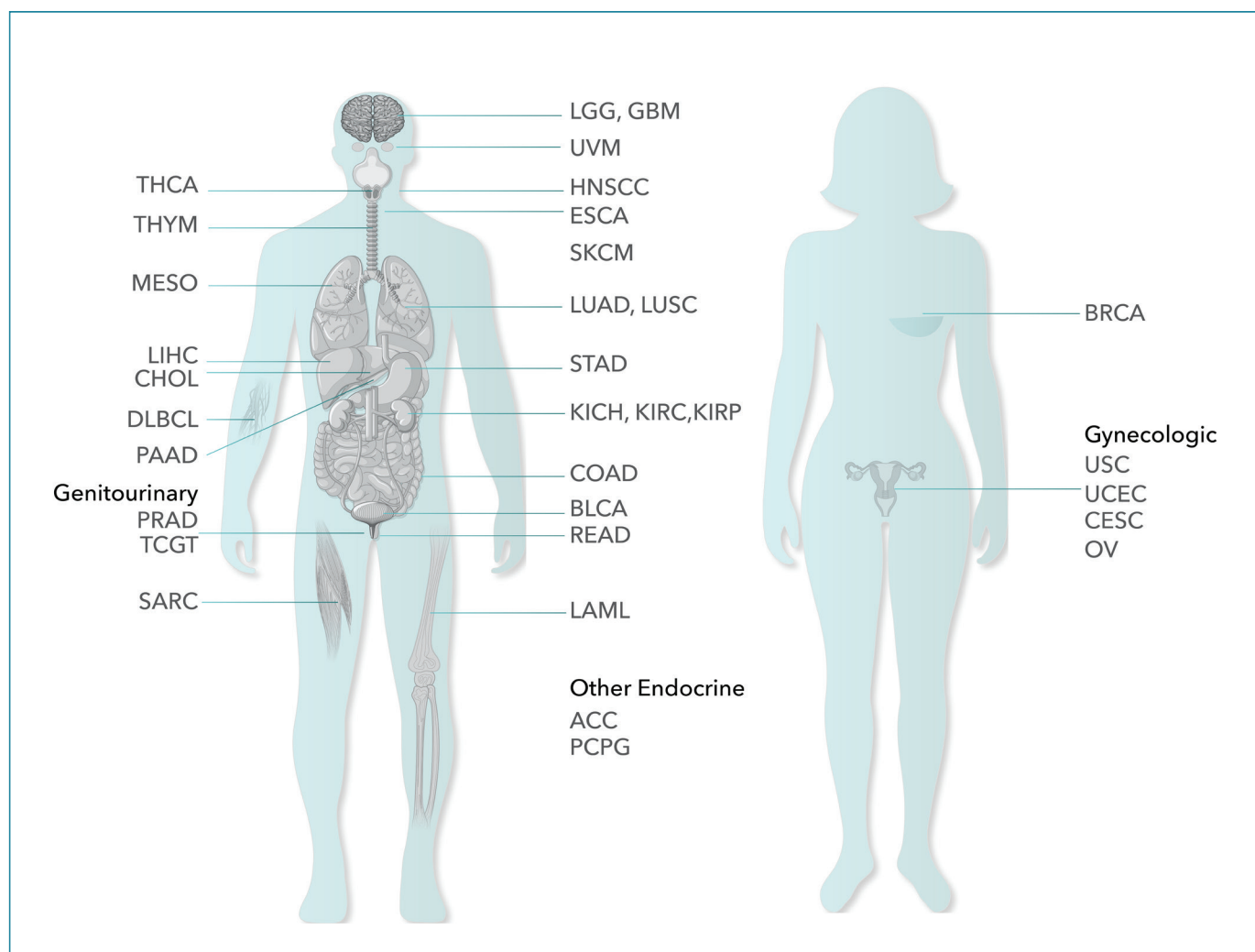
Triple A Polyclonals™ are rabbit polyclonals developed within the Human Protein Atlas project. IHC characterization data from 44 normal and 20 cancer tissues is available on the Human Protein Atlas portal.



Precise. Accurate. Targeted.

PrecisA Monoclonals™ are mouse monoclonals developed against a number of carefully selected targets. Clones are selected to recognize only unique non-overlapping epitopes and isotypes.

FIGURE 1:
33 TUMOR TYPES CODED ACCORDING TO THE PAN-CANCER ATLAS



The “Pan-Cancer Atlas” is a comprehensive research effort initiated by The Cancer Genome Atlas (TCGA) consortium. It aims to analyze molecular data from thousands of cancer samples across various cancer types employing multi-omic analysis to uncover commonalities and differences in cancer biology. The project classifies cancers into 33 primary tumor and disease types based on their tissue of origin, disease diagnosis, and molecular characteristics. These tumor types are coded according to a standardized classification system developed by the TCGA consortium. See Table 1 for criteria description.

References:

1. The Cancer Genome Atlas Network. (2013). The Cancer Genome Atlas Pan-Cancer analysis project. *Nature Genetics*, 45(10), 1113-1120. doi:10.1038/ng.2764
2. Hoadley, K. A., Yau, C., Hinoue, T., Wolf, D. M., Lazar, A. J., Drill, E., ... & Stuart, J. M. (2018). Cell-of-origin patterns dominate the molecular classification of 10,000 tumors from 33 types of cancer. *Cell*, 173(2), 291-304. doi:10.1016/j.cell.2018.03.022

**TABLE 1:
NUMBER OF PAN-CANCER CAMPAIGN GENES WITH HIGHEST SURVIVAL AND
MUTATIONAL IMPACT CATEGORIZED INTO 33 TUMOR TYPES.**

TGTA TUMOR TYPES	TGCA TUMOR CODES	PAN-CANCER GENES*
Acute Myeloid Leukemia	LAML	16
Adrenocortical Cancer	ACC	30
Bile Duct Cancer	CHOL	24
Bladder Cancer	BLCA	144
Breast Cancer	BRCA	136
Cervical Cancer	CESC	127
Colon Cancer	COAD	165
Endometrioid Cancer	UCEC	182
Esophageal Cancer	ESCA	73
Glioblastoma	GBM	100
Head and Neck Cancer	HNSC	122
Kidney Chromophobe	KICH	12
Kidney Clear Cell Carcinoma	KIRC	60
Kidney Papillary Cell Carcinoma	KIRP	58
Large B-cell Lymphoma	DLBC	33
Liver Cancer	LIHC	98
Lower Grade Glioma	LGG	82
Lung Adenocarcinoma	LUAD	155
Lung Squamous Cell Carcinoma	LUSC	154
Melanoma	SKCM	170
Mesothelioma	MESO	9
Ocular melanomas	UVM	9
Ovarian Cancer	OV	82
Pancreatic Cancer	PAAD	69
Pheochromocytoma & Paraganglioma	PCPG	10
Prostate Cancer	PRAD	70
Rectal Cancer	READ	111
Sarcoma	SARC	64
Stomach Cancer	STAD	158
Testicular Cancer	TGCT	13
Thymoma	THYM	12
Thyroid Cancer	THCA	22
Uterine Carcinosarcoma	UCS	35

* GDC criteria for each TGCA project (tumor type).

Limited by survival and mutational impact: VEP Impact (high/moderate) - SIFT Impact (deleterious) - Polyphen Impact (damaging).

TABLE 2:**PAN-CANCER CAMPAIGN GENES CATEGORIZED BY TUMOR TYPE.**

TUMOR CODE (A-Z) REPRESENTS THE UNIQUE CODE ASSIGNED TO EACH OF THE 33 TUMOR TYPES.

PAN-CANCER CAMPAIGN GENES (185) IMPLICATED IN THE RESPECTIVE TUMOR TYPE, PROVIDING INFORMATION ON THE GENETIC PROFILE, PROTEIN FUNCTION, AND SURVIVAL FOR EACH SPECIFIC TUMOR.

TUMOR CODE	PAN-CANCER GENES
ACC	30 genes: ANXA1, APC, AURKB, AXL, BRAF, CD63, CDH2, CSF1R, CTNNB1, ERBB3, ERCC1, FN1, HDAC6, ICAM1, LRP1, MME, MSH2, MUC16, PARP1, RET, SALL4, SELP, SOX10, SOX11, SOX2, TG, TP53, VIM, VWF, WT1
BLCA	144 genes: ABL1, ADAM17, AFP, AKT1, ALK, APC, AR, AURKA, AURKB, AXL, BID, BMI1, BRAF, CASP8, CASP9, CCNB1, CCND1, CD163, CD28, CD34, CD3E, CD44, CD5, CD55, CD81, CDH1, CDH2, CDK4, CDK5, CDKN1A, CDKN2A, CHEK1, CHEK2, CHGA, COMT, CSF1R, CTGF, CTNNB1, DES, EGFR, ENG, EPAS1, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FCGR3A, FN1, FOXO3, FOXP3, GAPDH, GATA3, HDAC1, HDAC2, HDAC6, HIF1A, HSP90B1, HSPA1A, ICAM1, IDH1, IKBKB, IL33, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KRT18, KRT19, KRT20, KRT5, KRT8, LCK, LCN2, LRP1, MAP1LC3A, MCAM, MCL1, MET, MKI67, MLANA, MLH1, MME, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC1, MUC16, NAPS, NCAM1, NFKBIA, NOTCH1, PARP1, PCNA, PDCD1, PGR, PIK3CA, PLAUR, PLK1, PON1, PRAME, PRNP, PROM1, PTEN, PTPN6, PTPRC, RBP4, RET, SALL4, SATB2, SDC1, SELP, SERPINE1, SMAD2, SMAD3, SMAD4, SOX2, SRC, STAT3, TARDBP, TCF7L2, TG, THY1, TLR4, TNFRSF8, TOP2A, TP53, TP63, VCAM1, VEGFA, VIM, VWF, WT1, YAP1, ZAP70
BRCA	136 genes: ABL1, ACE, AFP, AKT1, ALK, ANXA1, APC, AR, AURKA, AURKB, AXL, BAD, BAX, BID, BMI1, BRAF, CALB2, CASP8, CCNB1, CD163, CD28, CD34, CD3E, CD40, CD44, CD5, CD68, CD8A, CDH1, CDH2, CDK2, CDK4, CDK5, CHEK1, CHEK2, CTGF, E2F1, EGFR, ENG, EPAS1, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FN1, FOXO1, FOXO3, FOXP3, GAPDH, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HIF1A, HMOX1, HSP90B1, ICAM1, IDH1, IKBKB, IL33, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KLK3, KRT19, KRT20, KRT5, KRT7, LCK, LRP1, MCAM, MET, MKI67, MLH1, MME, MMP9, MSH2, MSH6, MTOR, MUC1, MUC16, NCAM1, NFKBIA, NOTCH1, PARP1, PAX8, PCNA, PDCD1, PGR, PIK3CA, PLK1, PON1, PROM1, PTEN, PTPRC, RBP4, RET, S100B, SALL4, SATB2, SELP, SERPINA1, SERPINE1, SMAD2, SMAD3, SMAD4, SOX10, SOX11, SOX2, SRC, STAT3, TCF7L2, TG, TGM2, TLR4, TNFRSF8, TP53, TP63, TRAF6, VCAM1, VIM, VWF, WT1, YAP1, ZAP70
CESC	127 genes: ABL1, ACE, ADAM17, AKT1, ALDH2, ALK, APC, AR, AURKA, AURKB, AXL, BCL2, BIRC5, BRAF, CASP8, CASP9, CCND1, CD14, CD163, CD34, CD44, CD5, CD55, CD8A, CDH1, CDH2, CDKN1A, CDKN2A, CDX2, CHEK1, CHEK2, CHGA, CSF1R, CTNNB1, E2F1, EGFR, EPAS1, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FAS, FCER2, FCGR3A, FN1, FOXO3, GJA1, HDAC2, HDAC6, HIF1A, HMOX1, HSP90B1, ICAM1, IKBKB, IL2RA, IL33, ITGA2, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KRT19, KRT20, KRT7, LCK, LRP1, MAP1LC3A, MCL1, MET, MKI67, MLH1, MME, MMP9, MSH2, MTOR, MUC1, MUC16, NAPS, NCAM1, NFKBIA, NOTCH1, PARP1, PAX8, PDCD1, PGR, PIK3CA, PLK1, PON1, PRAME, PRNP, PTEN, PTPN6, PTPRC, RBP4, RET, SALL4, SATB2, SELP, SMAD2, SMAD3, SMAD4, SOX11, SOX2, SRC, STAT3, TARDBP, TCF7L2, TG, TGM2, THY1, TLR4, TNFRSF8, TOP2A, TP53, TP63, VCAM1, VEGFA, VIM, VWF, WT1, ZAP70
CHOL	24 genes: AR, BRAF, CDH2, CDKN2A, CHEK2, ERBB2, EZH2, EZR, FOXP3, HDAC6, ICAM1, IDH1, KRT5, LRP1, MME, MUC16, PAX8, PIK3CA, PLAUR, PROM1, RET, SALL4, TP53, VWF
COAD	165 genes: ABL1, ACE, ADAM17, AFP, AKT1, ALDH2, ALK, ANXA1, APC, AR, AURKA, AURKB, AXL, BAX, BCL2, BIRC5, BMI1, BRAF, CALB2, CALCA, CASP8, CASP9, CCL2, CCNB1, CD14, CD163, CD28, CD34, CD4, CD40, CD44, CD5, CD55, CD63, CD80, CD8A, CD99, CDH1, CDH2, CDK2, CDK4, CDK5, CDKN1A, CDX2, CHEK1, CHEK2, CHGA, CSF1R, CTGF, CTNNB1, DES, EGFR, ENG, EPAS1, EPCAM, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FAS, FCER2, FCGR3A, FN1, FOXO1, FOXO3, FOXP3, GAPDH, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HIF1A, HMOX1, HSP90B1, HSPA1A, IDH1, IKBKB, IL2RA, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KLK3, KRT19, KRT20, KRT5, KRT7, LCK, LRP1, MAP1LC3A, MCAM, MET, MKI67, MLH1, MME, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC1, MUC16, NAPS, NCAM1, NFKBIA, NOTCH1, PARP1, PAX8, PCNA, PDCD1, PGR, PIK3CA, PLAUR, PLK1, PON1, PRAME, PROM1, PTEN, PTH, PTPN6, PTPRC, RBP4, RET, SALL4, SATB2, SDC1, SELP, SERPINA1, SERPINE1, SMAD2, SMAD3, SMAD4, SOX10, SOX11, SOX2, SRC, STAT3, TARDBP, TCF7L2, TG, TGM2, TIMP1, TLR4, TNFRSF8, TOP2A, TP53, TP63, TRAF6, VCAM1, VEGFA, VIM, VWF, WT1, YAP1, ZAP70
DLBC	33 genes: AR, AURKA, AURKB, BCL2, BRAF, CALCA, EGFR, EZH2, FAS, FOXO1, IKBKB, IL2RA, ITGA6, LRP1, MET, MME, MUC1, MUC16, NAPS, NCAM1, NFKBIA, PAX8, PGR, PIK3CA, PLK1, PTEN, PTPN6, PTPRC, SATB2, STAT3, TLR4, TP53, VWF
ESCA	73 genes: ABL1, ADAM17, AKT1, ALK, APC, AR, AXL, BRAF, CASP8, CD34, CDH2, CDKN2A, CSF1R, CTNNB1, EGFR, ENG, ERBB2, ESR1, FCGR3A, FN1, FOXO1, FOXO3, FOXP3, GATA3, GJA1, HIF1A, HSP90B1, IDH1, ITGA2, ITGA2B, ITGA4, ITGA6, ITGB3, KRT19, KRT20, KRT5, LRP1, MET, MKI67, MME, MMP9, MSH2, MSH6, MTOR, MUC16, NCAM1, NOTCH1, PGR, PIK3CA, PLK1, PON1, PRNP, PROM1, PTEN, RBP4, RET, SATB2, SELP, SMAD2, SMAD3, SMAD4, SOX10, SOX11, STAT3, TG, TLR4, TNFRSF8, TP53, VCAM1, VIM, VWF, WT1, YAP1

TUMOR CODE	PAN-CANCER GENES
GBM	100 genes: ABL1, ACE, ADAM17, AFP, ANXA1, APC, AURKB, AXL, BMI1, BRAF, CALB2, CALCA, CCL2, CCNB1, CD163, CD28, CD34, CD4, CD44, CD5, CD55, CD63, CDH1, CDH2, CDKN2A, CHEK1, CHEK2, COMT, CSF1R, CTNNB1, DES, EGFR, EPAS1, ERBB2, ESR1, EZH2, FAS, FCGR3A, FN1, FOXO1, FOXO3, FXP3, GAPDH, GJA1, HDAC1, HDAC2, HDAC6, HSP90B1, IDH1, IKBKB, IL2RA, ITGA2, ITGA4, ITGA6, ITGB2, KIT, KRT18, KRT19, KRT20, KRT7, LCK, LRP1, MET, MKI67, MLH1, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC16, NCAM1, PARP1, PAX8, PCNA, PGR, PIK3CA, PLAUR, PLK1, PON1, PTEN, PTPN6, PTPRC, RET, SALL4, SERPINA1, SERPINE1, SMAD3, SRC, STAT3, TCF7L2, TG, TGM2, TOP2A, TP53, TP63, VWF, WT1, YAP1, ZAP70
HNSC	122 genes: ABL1, ACE, ADAM17, AKT1, ALDH2, ALK, ANXA1, APC, AR, AURKB, AXL, BCL2, BID, BMI1, BRAF, CALCA, CASP8, CCL2, CCND1, CD163, CD34, CD40, CD44, CD5, CD80, CD8A, CDH1, CDH2, CDK4, CDK5, CDKN2A, CDX2, CHEK2, COMT, CTGF, CTNNB1, EGFR, EPAS1, EPCAM, ERBB2, ERBB3, ESR1, EZH2, FAS, FCGR3A, FN1, FOXO3, FXP3, GATA3, GJA1, GPC3, HDAC2, HDAC6, HSP90B1, HSPA1A, ICAM1, IDH1, IKBKB, ITGA2, ITGA2B, ITGA4, ITGA5, ITGB1, ITGB2, ITGB3, JUN, KIT, KLK3, KRT20, KRT5, LCK, LRP1, MAP1LC3A, MCL1, MET, MKI67, MLH1, MME, MS4A1, MSH2, MTOR, MUC16, NAPSA, NCAM1, NOTCH1, PARP1, PAX8, PCNA, PGR, PIK3CA, PLK1, PON1, PRAME, PROM1, PTEN, PTH, PTPN6, PTPRC, RBP4, RET, SATB2, SELP, SERPINA1, SERPINE1, SMAD2, SMAD3, SMAD4, STAT3, TARDBP, TG, TGM2, THY1, TLR4, TOP2A, TP53, TP63, TRAF6, VCAM1, VIM, VWF, WT1, YAP1
KICH	12 genes: ABL1, CDH2, COMT, CSF1R, CTNNB1, ERBB3, KRT5, MTOR, PTEN, TP53, VCAM1, YAP1
KIRC	60 genes: ABL1, ACE, ADAM17, ALK, ANXA1, APC, AR, AXL, CASP8, CD163, CD34, CD3E, CD44, CD55, CDH2, CDK2, CHEK2, CTNNB1, EGFR, EPAS1, ERCC1, EZH2, FN1, FOXO1, GPC3, HDAC6, HIF1A, HMOX1, IKBKB, IL33, ITGA2, ITGB1, LRP1, MET, MKI67, MLANA, MME, MMP9, MTOR, MUC16, NOTCH1, PARP1, PAX8, PGR, PIK3CA, PTEN, PTPRC, SATB2, SMAD2, SOX2, SRC, STAT3, TCF7L2, TG, TOP2A, TP53, TP63, VIM, VWF, ZAP70
KIRP	58 genes: ABL1, ACE, AFP, ALDH2, ALK, APC, AURKB, BAX, BRAF, CASP8, CASP9, CD163, CD40, CD80, CD81, CHEK2, CSF1R, CTGF, CTNNB1, ERBB2, EZR, FCER2, FN1, GAPDH, HDAC6, HMOX1, HSP90B1, IKBKB, ITGA4, ITGA6, ITGB2, ITGB3, KLK3, LCK, LRP1, MET, MKI67, MLH1, MSH2, MSH6, MTOR, MUC16, NCAM1, NOTCH1, PAX8, PIK3CA, PLK1, PRNP, PROM1, SATB2, SMAD2, SMAD4, TG, TIMP1, TP53, VIM, VWF, YAP1
LAML	16 genes: ACE, BAX, ERCC1, FXP3, HDAC2, KIT, KRT20, LCK, LRP1, MSH6, MUC16, NAPSA, STAT3, TGM2, TP53, WT1
LGG	82 genes: ABL1, ACE, AFP, ALK, AR, AURKA, AXL, BRAF, CASP8, CCNB1, CCND1, CD163, CD28, CD40, CD44, CDH1, CDH2, CDKN1A, CDKN2A, CHEK1, CHEK2, CSF1R, CTGF, CTNNB1, EGFR, EPAS1, EPCAM, ERBB3, ESR1, EZH2, FN1, GATA3, GJA1, GPC3, HDAC2, HDAC6, IDH1, IL33, ITGA2, ITGA4, ITGA5, ITGA6, ITGB3, KIT, KRT20, KRT5, KRT7, KRT8, LRP1, MET, MKI67, MLH1, MME, MMP9, MS4A1, MSH6, MTOR, MUC16, NOTCH1, PARP1, PAX8, PGR, PIK3CA, PLK1, PROM1, PTEN, PTPRC, RET, SELP, SMAD2, SMAD3, STAT3, TCF7L2, TG, TIMP1, TOP2A, TP53, TP63, VCAM1, VEGFA, VIM, ZAP70
LIHC	98 genes: ACE, ADAM17, ALK, APC, AR, AURKA, BAX, CALCA, CASP8, CCNB1, CCND1, CD44, CD55, CD80, CDH1, CDH2, CDKN1A, CDKN2A, CHEK2, CTNNB1, DES, E2F1, EGFR, EPAS1, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FCER2, FN1, FOXO1, GATA3, GJA1, HDAC6, HIF1A, HMOX1, HSP90B1, IDH1, IKBKB, ITGA2, ITGA2B, ITGA4, ITGB1, ITGB2, ITGB3, JUN, KIT, KRT18, KRT20, KRT5, KRT7, LCK, LRP1, MAP1LC3A, MCAM, MCL1, MET, MKI67, MLH1, MME, MMP9, MSH6, MTOR, MUC16, NCAM1, NOTCH1, PARP1, PAX8, PGR, PIK3CA, PLK1, PRAME, PROM1, PTEN, PTPN6, PTPRC, RET, SELP, SERPINE1, SMAD3, SMAD4, SRC, STAT3, TCF7L2, TG, TIMP1, TLR4, TNFRSF8, TOP2A, TP53, TP63, VCAM1, VIM, VWF, WT1, ZAP70
LUAD	155 genes: ABL1, ACE, ADAM17, AFP, AKT1, ALDH2, ALK, APC, AR, AURKB, AXL, BAX, BCL2, BID, BIRC5, BMI1, BRAF, CALB2, CALCA, CASP8, CASP9, CCL2, CCNB1, CCND1, CD163, CD28, CD34, CD4, CD40, CD44, CD5, CD55, CD63, CD81, CD99, CDH1, CDH2, CDK4, CDK5, CDKN2A, CHEK1, CHEK2, CHGA, COMT, CSF1R, CTGF, CTNNB1, DES, E2F1, EGFR, ENG, EPAS1, EPCAM, ERBB2, ERBB3, ESR1, EZH2, FAS, FCGR3A, FN1, FOXO1, FOXO3, FXP3, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HMOX1, HSP90B1, HSPA1A, ICAM1, IDH1, IKBKB, IL2RA, IL33, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KLK3, KRT19, KRT20, KRT5, KRT7, KRT8, LCK, LRP1, MCAM, MCL1, MET, MKI67, MLH1, MME, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC16, NAPSA, NCAM1, NFKBIA, NOTCH1, PARP1, PAX8, PDCD1, PGR, PIK3CA, PLAUR, PLK1, PRAME, PRNP, PTEN, PTH, PTPN6, PTPRC, RET, SALL4, SATB2, SDC1, SELP, SERPINA1, SERPINE1, SMAD2, SMAD3, SMAD4, SOX11, SRC, STAT3, TCF7L2, TG, TGM2, THY1, TIMP1, TLR4, TNFRSF8, TOP2A, TP53, TP63, TRAF6, VCAM1, VEGFA, VIM, VWF, WT1, YAP1, ZAP70
LUSC	154 genes: ABL1, ACE, ADAM17, AFP, AKT1, ALDH2, ALK, APC, AR, AURKA, AXL, BAX, BIRC5, BMI1, BRAF, CALB2, CALCA, CASP8, CASP9, CCND1, CD163, CD28, CD34, CD4, CD44, CD68, CD81, CD8A, CD99, CDH1, CDH2, CDK4, CDK5, CDKN2A, CDX2, CHEK1, CHEK2, CSF1R, CTGF, CTNNB1, DES, E2F1, EGFR, ENG, EPAS1, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FAS, FCER2, FCGR3A, FN1, FOXO1, FOXO3, GAPDH, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HIF1A, HMOX1, HSP90B1, HSPA1A, ICAM1, IDH1, IKBKB, IL2RA, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KLK3, KRT20, KRT5, LCK, LCN2, LRP1, MCAM, MCL1, MET, MKI67, MLH1, MME, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC1, MUC16, NAPSA, NCAM1, NOTCH1, PARP1, PAX8, PCNA, PDCD1, PGR, PIK3CA, PLAUR, PLK1, PON1, PRAME, PRNP, PROM1, PTEN, PTH, PTPRC, RBP4, RET, S100B, SALL4, SATB2, SELP, SERPINA1, SERPINE1, SMAD2, SMAD3, SMAD4, SOX10, SOX11, SOX2, SRC, STAT3, TARDBP, TCF7L2, TG, TGM2, THY1, TIMP1, TLR4, TNFRSF8, TOP2A, TP53, TP63, TRAF6, VCAM1, VIM, VWF, WT1, YAP1, ZAP70

TUMOR CODE	PAN-CANCER GENES
MESO	9 genes: CSF1R, FN1, HSPA1A, LRP1, MSH6, MUC1, NFKBIA, PIK3CA, TP53
OV	82 genes: ABL1, ADAM17, AFP, ALK, APC, AR, AXL, BRAF, CALB2, CASP8, CD163, CD34, CD80, CDH1, CDH2, CDK2, CDK4, CDKN2A, CHEK2, CHGA, E2F1, EGFR, ENG, ERBB2, ERBB3, ESR1, EZH2, FN1, GATA3, GPC3, HDAC1, HDAC6, HSP90B1, ICAM1, IKBKB, ITGA2, ITGA4, ITGA5, ITGB2, KIT, KLK3, KRT19, KRT5, KRT7, LRP1, MET, MKI67, MLH1, MME, MMP9, MS4A1, MSH6, MTOR, MUC16, NCAM1, NOTCH1, PARP1, PAX8, PIK3CA, PLK1, PROM1, PTEN, PTPN6, RET, SALL4, SATB2, SDC1, SELP, SERPINE1, SMAD4, STAT3, TCF7L2, TG, TGM2, TLR4, TOP2A, TP53, TP63, VCAM1, VIM, VWF, YAP1
PAAD	69 genes: ABL1, ADAM17, ALK, ANXA1, APC, AURKA, BAD, BRAF, CD4, CD44, CD5, CD55, CD63, CD80, CDH1, CDH2, CDK4, CDKN2A, CHEK2, CTNNB1, DES, EGFR, ERBB2, ERBB3, EZH2, FN1, FOXO3, HIF1A, HSP90B1, HSPA1A, ICAM1, IKBKB, IL2RA, ITGA6, ITGB3, KIT, KRT7, LRP1, MAP1LC3A, MET, MKI67, MME, MSH6, MTOR, MUC1, MUC16, NCAM1, NFKBIA, NOTCH1, PARP1, PAX8, PDCD1, PGR, PIK3CA, PTPN6, PTPRC, RET, SALL4, SATB2, SELP, SERPINA1, SMAD4, SOX10, SRC, TG, TOP2A, TP53, VWF, ZAP70
PCPG	10 genes: BRAF, EPAS1, HDAC2, LRP1, MTOR, PGR, RET, SALL4, STAT3, VCAM1
PRAD	70 genes: ABL1, ACE, AKT1, ALK, AR, AURKB, AXL, BIRC5, BRAF, CD163, CD34, CD4, CD40, CD8A, CDH2, CHGA, CSF1R, CTNNB1, E2F1, EGFR, ENG, ERBB2, ERBB3, FN1, FOXO1, FOXO3, GJA1, HDAC1, HDAC2, HDAC6, HMOX1, HSP90B1, IDH1, ITGA2, ITGA2B, ITGA4, ITGB2, KLK3, LCN2, LRP1, MET, MKI67, MLH1, MME, MMP9, MTOR, MUC16, NCAM1, NOTCH1, PARP1, PDCD1, PIK3CA, PON1, PTEN, PTPN6, PTPRC, SALL4, SELP, SMAD2, SMAD4, STAT3, TG, TOP2A, TP53, TP63, TRAF6, VCAM1, VWF, WT1, ZAP70
READ	111 genes: ABL1, ACE, ADAM17, AFP, ALK, ANXA1, APC, AR, AURKA, AXL, BMI1, BRAF, CALB2, CD163, CD34, CD3E, CD40, CD44, CD5, CD8A, CDH1, CDH2, CDK4, CDKN1A, CHEK1, CHEK2, CHGA, CTNNB1, DES, EGFR, ERBB2, ERBB3, ESR1, FAS, FCER2, FCGR3A, FN1, FOXO1, FOXO3, FOXP3, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HIF1A, HSP90B1, IDH1, IKBKB, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB2, ITGB3, JUN, KIT, KRT20, KRT5, LCK, LRP1, MCAM, MET, MKI67, MLH1, MME, MMP9, MS4A1, MSH2, MTOR, MUC1, MUC16, NAPS, NCAM1, PCNA, PECAM1, PIK3CA, PLAUR, PLK1, PON1, PRNP, PROM1, PTEN, PTPRC, RET, S100B, SALL4, SATB2, SDC1, SELP, SERPINE1, SMAD2, SMAD3, SMAD4, SOX10, SOX11, TCF7L2, TG, TGM2, TIMP1, TLR4, TOP2A, TP53, TP63, VCAM1, VIM, VWF, WT1, YAP1, ZAP70
SARC	64 genes: ABL1, ACE, APC, AURKB, AXL, CCND1, CD163, CD34, CD81, CDK4, CDKN1A, CHEK1, CHEK2, CSF1R, CTGF, EGFR, EZR, FCER2, FCGR3A, FN1, GAPDH, GATA3, HDAC6, ITGA2, ITGA2B, ITGA4, ITGA5, ITGB2, ITGB3, KIT, KLK3, KRT5, KRT8, LRP1, MCAM, MET, MKI67, MLH1, MMP9, MS4A1, MUC1, MUC16, NOTCH1, PIK3CA, PLAUR, PON1, PRAME, PROM1, PTEN, PTPRC, SATB2, SELP, SERPINA1, SMAD3, SMAD4, TCF7L2, TG, TGM2, TP53, TP63, TRAF6, VCAM1, VWF, ZAP70
SKCM	170 genes: ABL1, ACE, AFP, AKT1, ALDH2, ALK, ANXA1, APC, AR, AURKA, AURKB, AXL, BAX, BCL2, BIRC5, BMI1, BRAF, CALB2, CALCA, CASP8, CASP9, CD14, CD163, CD3E, CD4, CD40, CD44, CD5, CD55, CD63, CD68, CD80, CD81, CD8A, CD99, CDH1, CDH2, CDK2, CDK4, CDK5, CDKN1A, CDKN2A, CDX2, CHEK1, CHEK2, CHGA, COMT, CSF1R, CTGF, CTNNB1, DES, E2F1, EGFR, ENG, EPAS1, EPCAM, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FAS, FCER2, FCGR3A, FN1, FOXO1, FOXO3, FOXP3, GAPDH, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HIF1A, HMOX1, HSP90B1, IDH1, IKBKB, IL2RA, IL33, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KLK3, KRT18, KRT19, KRT20, KRT5, KRT7, KRT8, LCK, LCN2, LRP1, MAP1LC3A, MCAM, MCL1, MET, MKI67, MLANA, MLH1, MME, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC1, MUC16, NAPS, NCAM1, NFKBIA, NOTCH1, PARP1, PAX8, PCNA, PDCD1, PGR, PIK3CA, PLAUR, PLK1, PON1, PRAME, PRNP, PROM1, PTEN, PTPN6, PTPRC, RBP4, RET, SALL4, SATB2, SDC1, SELP, SERPINA1, SERPINE1, SMAD2, SMAD3, SMAD4, SOX10, SOX11, SOX2, SRC, STAT3, TARDBP, TCF7L2, TG, TGM2, THY1, TLR4, TNFRSF8, TOP2A, TP53, TP63, VCAM1, VEGFA, VIM, VWF, WT1, YAP1, ZAP70
STAD	158 genes: ABL1, ACE, ADAM17, AFP, AKT1, ALDH2, ALK, ANXA1, APC, AR, AURKA, AURKB, AXL, BAD, BAX, BCL2, BMI1, BRAF, CALB2, CASP8, CASP9, CCL2, CCNB1, CCND1, CD14, CD163, CD34, CD3E, CD4, CD44, CD5, CD55, CD80, CD81, CD8A, CD99, CDH1, CDH2, CDK2, CDK4, CDK5, CDKN2A, CHEK1, CHEK2, COMT, CSF1R, CTGF, CTNNB1, DES, E2F1, EGFR, ENG, EPAS1, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FAS, FCGR3A, FN1, FOXO1, FOXO3, FOXP3, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HIF1A, HMOX1, HSP90B1, HSPA1A, ICAM1, IDH1, IKBKB, IL2RA, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, JUN, KIT, KLK3, KRT18, KRT19, KRT20, KRT5, KRT7, KRT8, LCK, LRP1, MAP1LC3A, MCAM, MCL1, MKI67, MLH1, MME, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC16, NAPS, NCAM1, NOTCH1, PARP1, PAX8, PCNA, PGR, PIK3CA, PLAUR, PLK1, PON1, PRAME, PRNP, PROM1, PTEN, PTPN6, PTPRC, RBP4, RET, S100B, SALL4, SATB2, SELP, SERPINE1, SMAD2, SMAD3, SMAD4, SOX10, SOX11, SOX2, SRC, STAT3, TARDBP, TCF7L2, TG, TGM2, TIMP1, TLR4, TNFRSF8, TOP2A, TP53, TP63, TRAF6, VCAM1, VIM, VWF, WT1, YAP1, ZAP70
TGCT	13 genes: EGFR, EPAS1, ERCC1, GATA3, ITGB3, KIT, MSH6, PGR, PIK3CA, STAT3, TP53, TP63, VCAM1
THYM	12 genes: AXL, CD3E, CHEK1, CSF1R, EPAS1, ERBB2, ITGB3, KIT, MTOR, MUC16, SOX10, TP53
THCA	22 genes: AKT1, ALDH2, ALK, BRAF, CD163, CD5, CHEK2, ERBB3, EZR, HIF1A, ITGB1, KIT, MKI67, MSH2, MUC16, PIK3CA, PTEN, RET, SDC1, TG, VCAM1, WT1

TUMOR CODE	PAN-CANCER GENES
UCEC	182 genes: ABL1, ACE, ADAM17, AFP, AKT1, ALDH2, ALK, ANXA1, APC, AR, AURKA, AURKB, AXL, BAD, BAX, BCL2, BID, BMI1, BRAF, CALB2, CASP8, CASP9, CCL2, CCNB1, CCND1, CD14, CD163, CD28, CD34, CD3E, CD4, CD40, CD44, CD5, CD55, CD63, CD68, CD80, CD81, CD8A, CD99, CDH1, CDH2, CDK2, CDK4, CDK5, CDKN1A, CDKN2A, CDX2, CHEK1, CHEK2, CHGA, COMT, CSF1R, CTGF, CTNNB1, DES, E2F1, EGFR, ENG, EPAS1, EPCAM, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FAS, FCER2, FCGR3A, FN1, FOXO1, FOXO3, FOXP3, GAPDH, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HIF1A, HMOX1, HSP90B1, HSPA1A, ICAM1, IDH1, IKBKB, IL2RA, IL33, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KLK3, KRT18, KRT19, KRT20, KRT5, KRT7, KRT8, LCK, LCN2, LRP1, MAP1LC3A, MCAM, MCL1, MET, MKI67, MLANA, MLH1, MME, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC1, MUC16, NAPSA, NCAM1, NFKBIA, NOTCH1, PARP1, PAX8, PCNA, PDCD1, PGR, PIK3CA, PLAUR, PLK1, PON1, PRAME, PRNP, PROM1, PTEN, PTH, PTPN6, PTPRC, RBP4, RET, S100B, SALL4, SATB2, SDC1, SELP, SERPINA1, SERPINE1, SMAD2, SMAD3, SMAD4, SOX10, SOX11, SOX2, SRC, STAT3, TARDBP, TCF7L2, TG, TGM2, THY1, TIMP1, TLR4, TNFRSF8, TOP2A, TP53, TP63, TRAF6, VCAM1, VEGFA, VIM, VWF, WT1, YAP1, ZAP70
UCS	35 genes: ABL1, APC, CCND1, CD3E, CD55, CDH2, CHEK2, E2F1, EPAS1, ERBB2, ERBB3, GJA1, GPC3, HDAC6, HSP90B1, ITGB1, KIT, KRT18, LRP1, MKI67, MMP9, MSH6, MUC16, NOTCH1, PDCD1, PGR, PIK3CA, PLK1, PRNP, PTEN, SATB2, STAT3, TG, TP53, VWF
UVM	9 genes: ALDH2, APC, CD4, ESR1, MTOR, MUC16, NCAM1, TNFRSF8, YAP1

TABLE 3:**309 PRIMARY ANTIBODIES CLASSIFIED BY PAN-CANCER TUMOR TYPE.**

NOTABLY, PRODUCTS LABELED WITH AMAB ARE PRECISA MONOCLONALS (IN BLUE), WHILE THOSE LABELED WITH HPA ARE TRIPLE A POLYCLONALS (IN GREY).

NAME	CATALOG NR	PAN-CANCER ATLAS TUMOR TYPES - NUMBER AND CODES
Anti-ABL1	HPA028409	22 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KICH, KIRC, KIRP, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC, STAD, UCS
Anti-ACE	HPA029298	17 cancers: LAML, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, PRAD, READ, SARC, STAD
Anti-ADAM17	HPA010738 HPA051575	15 cancers: BLCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, LIHC, LUAD, LUSC, OV, PAAD, READ, STAD
Anti-AFP	AMAb91610 , AMAb91611 HPA010607, HPA023600	13 cancers: BLCA, BRCA, COAD, UCEC, GBM, KIRP, LGG, LUAD, LUSC, SKCM, OV, READ, STAD
Anti-AKT1	AMAb90834 AMAb90835	13 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, LUAD, LUSC, SKCM, PRAD, STAD, THCA
Anti-ALDH2	HPA051065	11 cancers: CESC, COAD, UCEC, HNSC, KIRP, LUAD, LUSC, SKCM, UVM, STAD, THCA
Anti-ALK	HPA010694	19 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, STAD, THCA
Anti-ANXA1	AMAb90558 HPA011272	11 cancers: ACC, BRCA, COAD, UCEC, GBM, HNSC, KIRC, SKCM, PAAD, READ, STAD
Anti-APC	HPA013349	22 cancers: ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, LIHC, LUAD, LUSC, SKCM, UVM, OV, PAAD, READ, SARC, STAD, UCS
Anti-AR	AMAb91547	19 cancers: CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, STAD
Anti-AURKA	HPA002636	13 cancers: BLCA, BRCA, CESC, COAD, UCEC, DLBC, LIHC, LGG, LUSC, SKCM, PAAD, READ, STAD
Anti-AURKB	HPA037708	14 cancers: ACC, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRP, DLBC, LUAD, SKCM, PRAD, SARC, STAD
Anti-AXL	HPA037422	19 cancers: ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD, THYM
Anti-BAD	HPA028185	4 cancers: BRCA, UCEC, PAAD, STAD
Anti-BAX	AMAb91490 HPA027878	10 cancers: LAML, BRCA, COAD, UCEC, KIRP, LIHC, LUAD, LUSC, SKCM, STAD
Anti-BCL2	AMAb91492 , HPA055295	8 cancers: CESC, COAD, UCEC, HNSC, DLBC, LUAD, SKCM, STAD
Anti-BID	HPA000722	5 cancers: BLCA, BRCA, UCEC, HNSC, LUAD
Anti-BIRC5	AMAb91761	6 cancers: CESC, COAD, LUAD, LUSC, SKCM, PRAD
Anti-BMI1	HPA030471	10 cancers: BLCA, BRCA, COAD, UCEC, GBM, HNSC, LUAD, LUSC, SKCM, READ, STAD
Anti-BRAF	AMAb91257 , AMAb91258 HPA071048	22 cancers: ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRP, DLBC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PCPG, PRAD, READ, STAD, THCA
Anti-CALB2	AMAb91812 , AMAb91813 , AMAb91814	10 cancers: BRCA, COAD, UCEC, GBM, LUAD, LUSC, SKCM, OV, READ, STAD
Anti-CALCA	HPA064453	8 cancers: COAD, GBM, HNSC, DLBC, LIHC, LUAD, LUSC, SKCM
Anti-CASP8	HPA005688	15 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, STAD
Anti-CASP9	HPA046488	9 cancers: BLCA, CESC, COAD, UCEC, KIRP, LUAD, LUSC, SKCM, STAD
Anti-CCL2	HPA019163	6 cancers: COAD, UCEC, GBM, HNSC, LUAD, STAD
Anti-CCNB1	HPA030741	9 cancers: BLCA, BRCA, COAD, UCEC, GBM, LIHC, LGG, LUAD, STAD
Anti-CCND1	AMAb91779 , AMAb91780 HPA027802	11 cancers: BLCA, CESC, UCEC, HNSC, LIHC, LGG, LUAD, LUSC, SARC, STAD, UCS
Anti-CD14	AMAb90898 , HPA002127	5 cancers: CESC, COAD, UCEC, SKCM, STAD

NAME	CATALOG NR	PAN-CANCER ATLAS TUMOR TYPES - NUMBER AND CODES
Anti-CD163	AMAb91646 , AMAb91648 , HPA046404 , HPA051974	19 cancers: BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, KIRP, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD, THCA
Anti-CD28	HPA070003	8 cancers: BLCA, BRCA, COAD, UCEC, GBM, LGG, LUAD, LUSC
Anti-CD34	HPA036722 , HPA036723	16 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, LUAD, LUSC, OV, PRAD, READ, SARC, STAD
Anti-CD3E	AMAb90876 , HPA040957 , HPA043955	9 cancers: BLCA, BRCA, UCEC, KIRC, SKCM, READ, STAD, THYM, UCS
Anti-CD4	AMAb90754	10 cancers: COAD, UCEC, GBM, LUAD, LUSC, SKCM, UVM, PAAD, PRAD, STAD
Anti-CD40	HPA031567	10 cancers: BRCA, COAD, UCEC, HNSC, KIRP, LGG, LUAD, SKCM, PRAD, READ
Anti-CD44	AMAb91845 , AMAb91846 , AMAb91847 , AMAb91848	16 cancers: BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, PAAD, READ, STAD
Anti-CD5	AMAb91782 , AMAb91783 , HPA043416 , HPA060839	14 cancers: BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, LUAD, LUSC, SKCM, PAAD, READ, STAD, THCA
Anti-CD55	HPA002190	12 cancers: BLCA, CESC, COAD, UCEC, GBM, KIRC, LIHC, LUAD, SKCM, PAAD, STAD, UCS
Anti-CD63	HPA010088	7 cancers: ACC, COAD, UCEC, GBM, LUAD, SKCM, PAAD
Anti-CD68	AMAb90873 , AMAb90874	4 cancers: BRCA, UCEC, LUSC, SKCM
Anti-CD80	HPA050092	9 cancers: COAD, UCEC, HNSC, KIRP, LIHC, SKCM, OV, PAAD, STAD
Anti-CD81	HPA007234	8 cancers: BLCA, UCEC, KIRP, LUAD, LUSC, SKCM, SARC, STAD
Anti-CD8A	AMAb90883 , HPA037756	10 cancers: BRCA, CESC, COAD, UCEC, HNSC, LUSC, SKCM, PRAD, READ, STAD
Anti-CD99	AMAb91823	6 cancers: COAD, UCEC, LUAD, LUSC, SKCM, STAD
Anti-CDH1	AMAb90862 , AMAb90863 , AMAb90865	16 cancers: BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, READ, STAD
Anti-CDH2	AMAb91220 , AMAb91497	22 cancers: ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KICH, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, STAD, UCS
Anti-CDK4	AMAb91499	13 cancers: BLCA, BRCA, COAD, UCEC, HNSC, LUAD, LUSC, SKCM, OV, PAAD, READ, SARC, STAD
Anti-CDK5	HPA064535	9 cancers: BLCA, BRCA, COAD, UCEC, HNSC, LUAD, LUSC, SKCM, STAD
Anti-CDKN1A	AMAb91832	9 cancers: BLCA, CESC, COAD, UCEC, LIHC, LGG, SKCM, READ, SARC
Anti-CDKN2A	HPA047838	15 cancers: CHOL, BLCA, CESC, UCEC, ESCA, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, STAD
Anti-CDX2	AMAb91827 , AMAb91828 , HPA045669 , HPA049580	6 cancers: CESC, COAD, UCEC, HNSC, LUSC, SKCM
Anti-CHEK1	HPA044364	13 cancers: BLCA, BRCA, CESC, COAD, UCEC, GBM, LGG, LUAD, LUSC, SKCM, READ, SARC, STAD, THYM
Anti-CHEK2	AMAb91570 , HPA001878	21 cancers: CHOL, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, READ, SARC, STAD, THCA, UCS
Anti-CHGA	AMAb90525	9 cancers: BLCA, CESC, COAD, UCEC, LUAD, SKCM, OV, PRAD, READ
Anti-COMT	HPA001169	8 cancers: BLCA, UCEC, GBM, HNSC, KICH, LUAD, SKCM, STAD
Anti-CSF1R	AMAb91718	17 cancers: ACC, BLCA, CESC, COAD, UCEC, ESCA, GBM, KICH, KIRP, LGG, LUAD, LUSC, SKCM, MESO, PRAD, SARC, STAD, THYM
Anti-CTGF	AMAb91366	12 cancers: BLCA, BRCA, COAD, UCEC, HNSC, KIRP, LGG, LUAD, LUSC, SKCM, SARC, STAD
Anti-CTNNB1	AMAb91209 , AMAb91210 , HPA029160	20 cancers: ACC, BLCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KICH, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, PAAD, PRAD, READ, STAD
Anti-DES	AMAb91302	11 cancers: BLCA, COAD, UCEC, GBM, LIHC, LUAD, LUSC, SKCM, PAAD, READ, STAD
Anti-E2F1	HPA029735	10 cancers: BRCA, CESC, UCEC, LIHC, LUAD, LUSC, SKCM, OV, PRAD, STAD, UCS
Anti-EGFR	AMAb90816 , AMAb90819 , HPA001200	22 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC, STAD, TGCT
Anti-ENG	AMAb90925 , HPA011862	10 cancers: BLCA, BRCA, COAD, UCEC, ESCA, LUAD, LUSC, SKCM, OV, PRAD, STAD
Anti-EPAS1	HPA031200	17 cancers: BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, PCPG, STAD, TGCT, THYM, UCS

NAME	CATALOG NR	PAN-CANCER ATLAS TUMOR TYPES - NUMBER AND CODES
Anti-EPCAM	AMAb91411 , AMAb91413	6 cancers: COAD, UCEC, HNSC, LGG, LUAD, SKCM
Anti-ERBB2/ HER2	AMAb90627 , HPA001338, HPA001383	21 cancers: CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRP, LIHC, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, STAD, THYM, UCS
Anti-ERBB3	HPA045396	20 cancers: ACC, BLCA, BRCA, CESC, COAD, UCEC, HNSC, KICH, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, STAD, THCA, UCS
Anti-ERCC1	AMAb90871 , AMAb90872	13 cancers: LAML, ACC, BLCA, BRCA, CESC, COAD, UCEC, KIRC, LIHC, LUSC, SKCM, STAD, TGCT
Anti-ESR1	AMAb90867 , HPA000449	16 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, UVM, OV, READ, STAD
Anti-EZH2	AMAb91749 , AMAb91750 , AMAb91752	18 cancers: CHOL, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, STAD
Anti-EZR	AMAb90975 , AMAb90976 , AMAb90977 , AMAb90979	13 cancers: CHOL, BLCA, BRCA, CESC, COAD, UCEC, KIRP, LIHC, LUSC, SKCM, SARC, STAD, THCA
Anti-FAS	HPA027444	11 cancers: CESC, COAD, UCEC, GBM, HNSC, DLBC, LUAD, LUSC, SKCM, READ, STAD
Anti-FCER2	AMAb91784	9 cancers: CESC, COAD, UCEC, KIRP, LIHC, LUSC, SKCM, READ, SARC
Anti-FCGR3A	HPA055431	13 cancers: BLCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LUAD, LUSC, SKCM, READ, SARC, STAD
Anti-FN1	AMAb91223 , HPA027066	24 cancers: ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, MESO, OV, PAAD, PRAD, READ, SARC, STAD
Anti-FOXO1	AMAb91844	14 cancers: BRCA, COAD, UCEC, ESCA, GBM, KIRC, DLBC, LIHC, LUAD, LUSC, SKCM, PRAD, READ, STAD
Anti-FOXO3	AMAb91872 , AMAb91874 , HPA063104	15 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LUAD, LUSC, SKCM, PAAD, PRAD, READ, STAD
Anti-FOXP3	HPA045943	12 cancers: LAML, CHOL, BLCA, BRCA, COAD, UCEC, ESCA, GBM, HNSC, LUAD, SKCM, READ, STAD
Anti-GAPDH	HPA040067, HPA061280	9 cancers: BLCA, BRCA, COAD, UCEC, GBM, KIRP, LUSC, SKCM, SARC
Anti-GATA3	AMAb91525	16 cancers: BLCA, BRCA, COAD, UCEC, ESCA, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, OV, READ, SARC, STAD, TGCT
Anti-GJA1	HPA035097	16 cancers: BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, PRAD, READ, STAD, UCS
Anti-GPC3	AMAb91803	13 cancers: BRCA, COAD, UCEC, HNSC, KIRC, LGG, LUAD, LUSC, SKCM, OV, READ, STAD, UCS
Anti-HDAC1	AMAb90781 , HPA029693	12 cancers: BLCA, BRCA, COAD, UCEC, GBM, LUAD, LUSC, SKCM, OV, PRAD, READ, STAD
Anti-HDAC2	HPA011727	16 cancers: LAML, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, LGG, LUAD, LUSC, SKCM, PCPG, PRAD, READ, STAD
Anti-HDAC6	HPA026321	22 cancers: ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD, UCS
Anti-HIF1A	HPA000907	14 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, KIRC, LIHC, LUSC, SKCM, PAAD, READ, STAD, THCA
Anti-HMOX1	AMAb91719 , AMAb91721	12 cancers: BRCA, CESC, COAD, UCEC, KIRC, KIRP, LIHC, LUAD, LUSC, SKCM, PRAD, STAD
Anti-HSP90B1	AMAb91019	19 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRP, LIHC, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, STAD, UCS
Anti-HSPA1A	HPA052504	9 cancers: BLCA, COAD, UCEC, HNSC, LUAD, LUSC, MESO, PAAD, STAD
Anti-ICAM1	HPA004877	12 cancers: ACC, CHOL, BLCA, BRCA, CESC, UCEC, HNSC, LUAD, LUSC, OV, PAAD, STAD
Anti-IDH1	AMAb90578 , HPA057936	16 cancers: CHOL, BLCA, BRCA, COAD, UCEC, ESCA, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, PRAD, READ, STAD
Anti-IKBKB	HPA001249	18 cancers: BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LUAD, LUSC, SKCM, OV, PAAD, READ, STAD
Anti-IL2RA	HPA054622	9 cancers: CESC, COAD, UCEC, GBM, DLBC, LUAD, LUSC, SKCM, PAAD, STAD
Anti-IL33	AMAb91858	8 cancers: BLCA, BRCA, CESC, UCEC, KIRC, LGG, LUAD, SKCM

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Anti-ITGA2	AMAb91469 , HPA060991, HPA063556	18 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, SARC, STAD
Anti-ITGA2B	HPA031169, HPA031170, HPA031171	14 cancers: BLCA, BRCA, COAD, UCEC, ESCA, HNSC, LIHC, LUAD, LUSC, SKCM, PRAD, READ, SARC, STAD
Anti-ITGA4	AMAb91698 , AMAb91699	19 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD
Anti-ITGA5	AMAb91447 , AMAb91448 , AMAb91449	14 cancers: BLCA, BRCA, CESC, COAD, UCEC, HNSC, LGG, LUAD, LUSC, SKCM, OV, READ, SARC, STAD
Anti-ITGA6	AMAb91450 , HPA027582	16 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, KIRP, DLBC, LGG, LUAD, LUSC, SKCM, PAAD, READ, STAD
Anti-ITGB1	HPA069003	14 cancers: BLCA, BRCA, CESC, COAD, UCEC, HNSC, KIRC, LIHC, LUAD, LUSC, SKCM, STAD, THCA, UCS
Anti-ITGB2	HPA008877, HPA016894	17 cancers: BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRP, LIHC, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD
Anti-ITGB3	HPA027852	17 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, PAAD, READ, SARC, TGCT, THYM
Anti-JUN	AMAb91587 , HPA059474	12 cancers: BLCA, BRCA, CESC, COAD, UCEC, HNSC, LIHC, LUAD, LUSC, SKCM, READ, STAD
Anti-KIT	AMAb90900 , AMAb90901 , AMAb90904 , HPA004471, HPA073252	23 cancers: LAML, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, READ, SARC, STAD, TGCT, THYM, THCA, UCS
Anti-KLK3	AMAb91567 , AMAb91569	12 cancers: BRCA, COAD, UCEC, HNSC, KIRP, LUAD, LUSC, SKCM, OV, PRAD, SARC, STAD
Anti-KRT18	HPA001605	7 cancers: BLCA, UCEC, GBM, LIHC, SKCM, STAD, UCS
Anti-KRT19	HPA002465	15 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, LUAD, SKCM, OV, STAD
Anti-KRT20	AMAb91564	16 cancers: LAML, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, READ, STAD
Anti-KRT5	AMAb91549	17 cancers: CHOL, BLCA, BRCA, COAD, UCEC, ESCA, HNSC, KICH, LIHC, LGG, LUAD, LUSC, SKCM, OV, READ, SARC, STAD
Anti-KRT7	AMAb91531	17 cancers: CHOL, BLCA, BRCA, COAD, UCEC, ESCA, HNSC, KICH, LIHC, LGG, LUAD, LUSC, SKCM, OV, READ, SARC, STAD
Anti-KRT8	HPA049866	7 cancers: BLCA, UCEC, LGG, LUAD, SKCM, SARC, STAD
Anti-LCK	HPA003494	15 cancers: LAML, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRP, LIHC, LUAD, LUSC, SKCM, READ, STAD
Anti-LCN2	HPA002695	5 cancers: BLCA, UCEC, LUSC, SKCM, PRAD
Anti-LRP1	HPA004182, HPA022903	27 cancers: LAML, ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, MESO, OV, PAAD, PCPG, PRAD, READ, SARC, STAD, UCS
Anti-MAP1LC3A	HPA052474	9 cancers: BLCA, CESC, COAD, UCEC, HNSC, LIHC, SKCM, PAAD, STAD
Anti-MCAM	AMAb91815 , HPA008848	11 cancers: BLCA, BRCA, COAD, UCEC, LIHC, LUAD, LUSC, SKCM, READ, SARC, STAD
Anti-MCL1	AMAb90859	9 cancers: BLCA, CESC, UCEC, HNSC, LIHC, LUAD, LUSC, SKCM, STAD
Anti-MET	HPA055607	22 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC
Anti-MKI67	AMAb90870	23 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC, STAD, THCA, UCS
Anti-MLANA	AMAb91816 , AMAb91817 , AMAb91818	4 cancers: BLCA, UCEC, KIRC, SKCM
Anti-MLH1	HPA052707, HPA060714	18 cancers: BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD
Anti-MME	AMAb91788 , HPA052583, HPA056072	22 cancers: ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, STAD

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Anti-MMP9	AMAb90804, AMAb90805, AMAb90806, HPA001238, HPA063909	19 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD, UCS
Anti-MS4A1	HPA014341, HPA014391	13 cancers: BLCA, COAD, UCEC, GBM, HNSC, LGG, LUAD, LUSC, SKCM, OV, READ, SARC, STAD
Anti-MSH2	AMAb91891, AMAb91892, AMAb91894	16 cancers: ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRP, LUAD, LUSC, SKCM, READ, STAD, THCA
Anti-MSH6	AMAb91903	18 cancers: LAML, BLCA, BRCA, COAD, UCEC, ESCA, GBM, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, MESO, OV, PAAD, STAD, TGCT, UCS
Anti-MTOR	AMAb91508	24 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KICH, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, UVM, OV, PAAD, PCPG, PRAD, READ, STAD, THYM
Anti-MUC1	AMAb91533, HPA004179, HPA007235, HPA008855	11 cancers: BLCA, BRCA, CESC, COAD, UCEC, DLBC, LUSC, SKCM, MESO, PAAD, READ, SARC
Anti-MUC16	AMAb91056, AMAb91057	27 cancers: LAML, ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, UVM, OV, PAAD, PRAD, READ, SARC, STAD, THYM, THCA, UCS
Anti-NAPSA	AMAb91825	12 cancers: LAML, BLCA, CESC, COAD, UCEC, HNSC, DLBC, LUAD, LUSC, SKCM, READ, STAD
Anti-NCAM1	AMAb91807	19 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRP, DLBC, LIHC, LUAD, LUSC, SKCM, UVM, OV, PAAD, PRAD, READ, STAD
Anti-NFKBIA	HPA029207	10 cancers: BLCA, BRCA, CESC, COAD, UCEC, DLBC, LUAD, SKCM, MESO, PAAD
Anti-NOTCH1	HPA067168	21 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, SARC, STAD, UCS
Anti-PARP1	AMAb90959, AMAb90960	17 cancers: ACC, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, STAD
Anti-PAX8	AMAb91488	17 cancers: CHOL, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, STAD
Anti-PCNA	HPA030522	9 cancers: BLCA, BRCA, COAD, UCEC, GBM, HNSC, LUSC, SKCM, READ, STAD
Anti-PDCD1	AMAb91197	11 cancers: BLCA, BRCA, CESC, COAD, UCEC, LUAD, LUSC, SKCM, PAAD, PRAD, UCS
Anti-PECAM1	HPA004690	1 cancer: READ
Anti-PGR	AMAb91529, HPA004751, HPA008428	18 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, PAAD, PCPG, STAD, TGCT, UCS
Anti-PIK3CA	AMAb91513, AMAb91514	25 cancers: CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, MESO, OV, PAAD, PRAD, READ, SARC, STAD, TGCT, THCA, UCS
Anti-PLAUR	HPA050843	11 cancers: CHOL, BLCA, COAD, UCEC, GBM, LUAD, LUSC, SKCM, READ, SARC, STAD
Anti-PLK1	AMAb91515, HPA051638	19 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRP, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, READ, STAD, UCS
Anti-PON1	HPA001610	14 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LUSC, SKCM, PRAD, READ, SARC, STAD
Anti-PRAME	AMAb91329, AMAb91330	11 cancers: BLCA, CESC, COAD, UCEC, HNSC, LIHC, LUAD, LUSC, SKCM, SARC, STAD
Anti-PRNP	HPA042754	11 cancers: BLCA, CESC, UCEC, ESCA, KIRP, LUAD, LUSC, SKCM, READ, STAD, UCS
Anti-PROM1	AMAb91494, HPA031053	16 cancers: CHOL, BLCA, BRCA, COAD, UCEC, ESCA, HNSC, KIRP, LIHC, LGG, LUSC, SKCM, OV, READ, SARC, STAD
Anti-PTEN	AMAb91735, AMAb91736, HPA031335	24 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KICH, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD, THCA, UCS
Anti-PTH	HPA048540	5 cancers: COAD, UCEC, HNSC, LUAD, LUSC
Anti-PTPN6	HPA001466	14 cancers: BLCA, CESC, COAD, UCEC, GBM, HNSC, DLBC, LIHC, LUAD, SKCM, OV, PAAD, PRAD, STAD

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Anti-PTPRC	AMAb90518 , AMAb90519 , HPA000440	19 cancers: BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, PAAD, PRAD, READ, SARC, STAD
Anti-RBP4	HPA001641	10 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, LUSC, SKCM, STAD
Anti-RET	HPA008356	21 cancers: ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PCPG, READ, STAD, THCA
Anti-S100B	AMAb91038	5 cancers: BRCA, UCEC, LUSC, READ, STAD
Anti-SALL4	AMAb91768 , AMAb91769 , AMAb91770	16 cancers: ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, GBM, LUAD, LUSC, SKCM, OV, PAAD, PCPG, PRAD, READ, STAD
Anti-SATB2	AMAb90635 , AMAb90678 , AMAb90680	19 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, KIRP, DLBC, LUAD, LUSC, SKCM, OV, PAAD, READ, SARC, STAD, UCS
Anti-SDC1	HPA006185 , HPA067477	8 cancers: BLCA, COAD, UCEC, LUAD, SKCM, OV, READ, THCA
Anti-SELP	HPA002655 , HPA005990	18 cancers: ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC, STAD
Anti-SERPINA1	HPA000927	10 cancers: BRCA, COAD, UCEC, GBM, HNSC, LUAD, LUSC, SKCM, PAAD, SARC
Anti-SERPINE1	HPA050039	13 cancers: BLCA, BRCA, COAD, UCEC, GBM, HNSC, LIHC, LUAD, LUSC, SKCM, OV, READ, STAD
Anti-SMAD2	AMAb91520	16 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, KIRP, LGG, LUAD, LUSC, SKCM, PRAD, READ, STAD
Anti-SMAD3	HPA046386 , HPA067203	16 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, READ, SARC, STAD
Anti-SMAD4	AMAb91594 , HPA019154	18 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRP, LIHC, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC, STAD
Anti-SOX10	AMAb91297	10 cancers: ACC, BRCA, COAD, UCEC, ESCA, LUSC, SKCM, PAAD, READ, STAD, THYM
Anti-SOX11	AMAb90501 , AMAb90502	10 cancers: ACC, BRCA, CESC, COAD, UCEC, ESCA, LUAD, LUSC, SKCM, READ, STAD
Anti-SOX2	HPA045725	10 cancers: ACC, BLCA, BRCA, CESC, COAD, UCEC, KIRC, LUSC, SKCM, STAD
Anti-SRC	HPA030875	13 cancers: BLCA, BRCA, CESC, COAD, UCEC, GBM, KIRC, LIHC, LUAD, LUSC, SKCM, PAAD, STAD
Anti-STAT3	AMAb90776 , AMAb90777	21 cancers: LAML, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PCPG, PRAD, STAD, TGCT, UCS
Anti-TARDBP	HPA017284	8 cancers: BLCA, CESC, COAD, UCEC, HNSC, LUSC, SKCM, STAD
Anti-TCF7L2	AMAb91716	16 cancers: BLCA, BRCA, CESC, COAD, UCEC, GBM, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, OV, READ, SARC, STAD
Anti-TG	AMAb90523	23 cancers: ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC, STAD, THCA, UCS
Anti-TGM2	HPA021019 , HPA029518	14 cancers: LAML, BRCA, CESC, COAD, UCEC, GBM, HNSC, LUAD, LUSC, SKCM, OV, READ, SARC, STAD
Anti-THY1	AMAb90844 , AMAb90846	6 cancers: BLCA, CESC, UCEC, HNSC, LUAD, LUSC, SKCM
Anti-TIMP1	HPA053417	9 cancers: COAD, UCEC, KIRP, LIHC, LGG, LUAD, LUSC, READ, STAD
Anti-TLR4	HPA049174	15 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, DLBC, LIHC, LUAD, LUSC, SKCM, OV, READ, STAD
Anti-TNFRSF8	AMAb91800	11 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, LIHC, LUAD, LUSC, SKCM, UVM, STAD
Anti-TOP2A	HPA006458	17 cancers: BLCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, STAD
Anti-TP53	AMAb90956 , HPA051244 , HPA063532	29 cancers: LAML, ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KICH, KIRC, KIRP, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, MESO, OV, PAAD, PRAD, READ, SARC, STAD, TGCT, THYM, UCS
Anti-TP63	AMAb91224 , HPA006288 , HPA007010	18 cancers: BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD, TGCT
Anti-TRAF6	HPA019805 , HPA020599	9 cancers: BRCA, COAD, UCEC, HNSC, LUAD, LUSC, PRAD, SARC, STAD

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Anti-VCAM1	HPA069867	21 cancers: BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KICH, LIHC, LGG, LUAD, LUSC, SKCM, OV, PCPG, PRAD, READ, SARC, STAD, TGCT, THCA
Anti-VEGFA	HPA069116	7 cancers: BLCA, CESC, COAD, UCEC, LGG, LUAD, SKCM
Anti-VIM	AMAb90516	19 cancers: ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, READ, STAD
Anti-VWF	AMAb90928 , AMAb90931 , HPA001815, HPA002082	24 cancers: CC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC, STAD, UCS
Anti-WT1	AMAb91839 , AMAb91840 , AMAb91842 , HPA053848	17 cancers: LAML, ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LIHC, LUAD, LUSC, SKCM, PRAD, READ, STAD, THCA
Anti-YAP1	AMAb91878	15 cancers: BLCA, BRCA, COAD, UCEC, ESCA, GBM, HNSC, KICH, KIRP, LUAD, LUSC, SKCM, UVM, OV, READ, STAD
Anti-ZAP70	HPA003134	17 cancers: BLCA, BRCA, CESC, COAD, UCEC, GBM, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, PAAD, PRAD, READ, SARC, STAD

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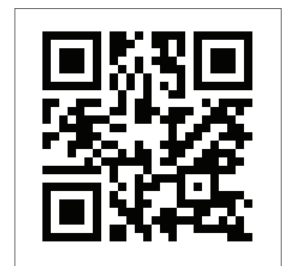
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