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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54802_P050-Biotin
Product Page	www.avivasysbio.com/phgdh-antibody-middle-region-biotin-arp54802-p050-biotin.html
Name	PHGDH Antibody - middle region : Biotin (ARP54802_P050-Biotin)
Protein Size (# AA)	533 amino acids
Molecular Weight	57kDa
Conjugation	Biotin
NCBI Gene Id	26227
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Phosphoglycerate dehydrogenase
Alias Symbols	NLS, PDG, PGD, NLS1, PGAD, PGDH, SERA, 3PGDH, 3-PGDH, PHGDHD, HEL-S-113
Peptide Sequence	Synthetic peptide located within the following region: SLKNAGNCLSPAIVVGLLKEASKQADVNLVNAKLLVKEAGLNVTTSHPA
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Tsang,H.T., (2006) Genomics 88 (3), 333-346
Description of Target	3-Phosphoglycerate dehydrogenase (PHGDH; EC 1.1.1.95) catalyzes the transition of 3-phosphoglycerate into 3-phosphohydroxypyruvate, which is the first and rate-limiting step in the phosphorylated pathway of serine biosynthesis, using NAD ⁺ /NADH as a cofactor.3-Phosphoglycerate dehydrogenase (PHGDH; EC 1.1.1.95) catalyzes the transition of 3-phosphoglycerate into 3-phosphohydroxypyruvate, which is the first and rate-limiting step in the phosphorylated pathway of serine biosynthesis, using NAD ⁺ /NADH as a cofactor.[supplied by OMIM].
Protein Interactions	HUWE1; UBC; FUS; SUMO2; ITSN1; ROM1; RPAP3; EPN1; SUMO1; NEDD8; MDM2; SUZ12; RNF2; EZH2; BMI1; FBXO6; TARDBP; EGFR; UBD; CLN5; CLN3; CDK2; PIAS4; FN1; TRAF3IP1; ECT2; MDC1; UQCC3; VASN; TRIM55; SMU1; TRA2A; ADNP; NCSTN; U2AF2; TCERG1; UTP14A; SRSF10; SAPI
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-PHGDH (ARP54802_P050-Biotin) antibody
Blocking Peptide	For anti-PHGDH (ARP54802_P050-Biotin) antibody is Catalog # AAP54802 (Previous Catalog # AAPP31606)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PHGDH
Uniprot ID	O08651
Protein Name	D-3-phosphoglycerate dehydrogenase
Sample Type Confirmation	PHGDH is supported by BioGPS gene expression data to be expressed in HEK293T
Protein Accession #	NP_006614
Purification	Affinity Purified
Nucleotide Accession #	NM_006623
Gene Symbol	PHGDH

Predicted Species Reactivity	Human, Mouse, Rat, Dog, Horse, Pig, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Dog: 92%; Horse: 83%; Human: 100%; Mouse: 100%; Pig: 86%; Rabbit: 93%; Rat: 100%
Image 1	 A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines.

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

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Optimal conditions of its use should be determined by end users.

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