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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	ARP58516_P050-HRP
Product Page	www.avivasysbio.com/ppp4c-antibody-middle-region-hrp-arp58516-p050-hrp.html
Name	PPP4C Antibody - middle region : HRP (ARP58516_P050-HRP)
Protein Size (# AA)	307 amino acids
Molecular Weight	34kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	5531
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Protein phosphatase 4, catalytic subunit
Alias Symbols	PP4, PPX, PP-X, PP4C, PPH3, PPP4
Peptide Sequence	Synthetic peptide located within the following region: TVLTVWSAPNYCYRCGNVA AILELDEHLQKDFIIFEAAPQETRGIPSKKP
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Humphray,S.J., (2008) J. Cell Biol. 180 (6), 1133-1147
Description of Target	PPP4C is a protein phosphatase that is involved in many processes such as microtubule organization at centrosomes, maturation of spliceosomal snRNPs, apoptosis, tumor necrosis factor (TNF)-alpha signaling, activation of c-Jun N-terminal kinase MAPK8, regulation of histone acetylation, DNA damage checkpoint signaling, NF-kappa-B activation and cell migration. The PPP4C-PPP4R1 PP4 complex may play a role in dephosphorylation and regulation of HDAC3. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AFX phosphorylated on Ser-140 (gamma-H2AFX) generated during DNA replication and required for DNA DSB repair. Dephosphorylates NDEL1 at CDC2/Cdk1 phosphorylation sites and negatively regulates CDC2/Cdk1 activity in interphase.
Protein Interactions	SUMO2; IKBKG; MAP4K1; BAG6; TCP1; UBC; CAND1; CUL3; Igbp1; TRIM28; ELAVL1; TK1; PPP2R5D; PPP2R4; PPP2R2B; PPP2R1A; EEF1A1; CCT6A; SMEK2; PPP2R2D; SMEK1; ATAD3A; PPME1; CCT5; CCT8; CCT2; CCT4; CCT7; PPP4R1; PLOD3; CCDC6; TUBA3C; CCT3; CCT6P1; GLYATL3; PPP4
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-PPP4C (ARP58516_P050-HRP) antibody
Blocking Peptide	For anti-PPP4C (ARP58516_P050-HRP) antibody is Catalog # AAP58516 (Previous Catalog # AAPP34724)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PPP4C
Uniprot ID	P60510
Protein Name	Serine/threonine-protein phosphatase 4 catalytic subunit
Protein Accession #	NP_002711
Purification	Affinity Purified
Nucleotide Accession #	NM_002720
Gene Symbol	PPP4C
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish

Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 79%; Zebrafish: 100%
Image 1	

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

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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