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Zuschläge

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Product Number	ARP55203_P050-Biotin
Product Page	www.avivasysbio.com/hisppd1-antibody-middle-region-biotin-arp55203-p050-biotin.html
Name	HISPPD1 Antibody - middle region : Biotin (ARP55203_P050-Biotin)
Protein Size (# AA)	1222 amino acids
Molecular Weight	138kDa
Conjugation	Biotin
NCBI Gene Id	23262
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Diphosphoinositol pentakisphosphate kinase 2
Alias Symbols	VIP2, IP7K2, CFAP160, DFNB100, HISPPD1
Peptide Sequence	Synthetic peptide located within the following region: SLSSCQQRVKARLHEILQKDRDFTAEDYEKLTPSGSIKSLIKSMHLIKNPV
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Choi,J.H., (2007) J. Biol. Chem. 282 (42), 30763-30775
Description of Target	Inositol phosphates (IPs) and diphosphoinositol phosphates (PP-IPs), also known as inositol pyrophosphates, act as cell signaling molecules. HISPPD1 has both IP6 kinase (EC 2.7.4.21) and PP-IP5 (also called IP7) kinase (EC 2.7.4.24) activities that produce the high-energy pyrophosphates PP-IP5 and PP2-IP4 (also called IP8), respectively. Inositol phosphates (IPs) and diphosphoinositol phosphates (PP-IPs), also known as inositol pyrophosphates, act as cell signaling molecules. HISPPD1 has both IP6 kinase (EC 2.7.4.21) and PP-IP5 (also called IP7) kinase (EC 2.7.4.24) activities that produce the high-energy pyrophosphates PP-IP5 and PP2-IP4 (also called IP8), respectively (Fridy et al., 2007 [PubMed 17690096]).[supplied by OMIM].
Protein Interactions	UBC; ZBTB8B; THOC7; ZC3H15; VAC14; WDR74; WDR6; SUMO1;
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-PPIP5K2 (ARP55203_P050-Biotin) antibody
Blocking Peptide	For anti-PPIP5K2 (ARP55203_P050-Biotin) antibody is Catalog # AAP55203 (Previous Catalog # AAPP33030)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human HISPPD1
Uniprot ID	O43314
Protein Name	Inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2
Protein Accession #	NP_056031
Purification	Affinity Purified
Nucleotide Accession #	NM_015216
Gene Symbol	PPIP5K2
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 93%
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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