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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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NPHP1 Antibody - middle region : HRP (ARP56084_P050-HRP)

Data Sheet

Product Number	ARP56084_P050-HRP
Product Page	www.avivasysbio.com/nphp1-antibody-middle-region-hrp-arp56084-p050-hrp.html
Name	NPHP1 Antibody - middle region : HRP (ARP56084_P050-HRP)
Protein Size (# AA)	733 amino acids
Molecular Weight	83kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	4867
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Nephronophthisis 1 (juvenile)
Alias Symbols	NPH1, JBTS4, SLSN1
Peptide Sequence	Synthetic peptide located within the following region: GILFELGISYIRNSTGERGELSCGWVFLKLFDASGVPIPAKTYELFLNGG
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mm phosphate, 150 mM NaCl, pH 7.6.
Reference	Eley,L., (2008) Biochem. Biophys. Res. Commun. 371 (4), 877-882
Description of Target	Together with Cas NPHP1 may play a role in the control of epithelial cell polarity. NPHP1 seems to help to recruit protein tyrosine kinase 2 beta (PTK2B) to cell matrix adhesions, thereby initiating phosphorylation of PTK2B and PTK2B-dependent signaling.This gene encodes a protein with src homology domain 3 (SH3) patterns. This protein interacts with Crk-associated substrate, and it appears to function in the control of cell division, as well as in cell-cell and cell-matrix adhesion signaling, likely as part of a multifunctional complex localized in actin- and microtubule-based structures. Mutations in this gene cause familial juvenile nephronophthisis type 1, a kidney disorder involving both tubules and glomeruli. Defects in this gene are also associated with Senior-Loken syndrome type 1, also referred to as juvenile nephronophthisis with Leber amaurosis, which is characterized by kidney and eye disease, and with Joubert syndrome type 4, which is characterized by cerebellar ataxia, oculomotor apraxia, psychomotor delay and neonatal breathing abnormalities, sometimes including retinal dystrophy and renal disease. Multiple transcript variants encoding different isoforms have been found for this gene.
Protein Interactions	MED28; CEP164; ADAM15; UBQLN4; TNK2; ARHGAP32; BCAR1; KHDRBS1; UBC; NPHP1; INVS; NPHP3; NPHP4; PAK2; FLNB; PTK2B; FLNA; TUBB; FLNC; TNS1;
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-NPHP1 (ARP56084_P050-HRP) antibody
Blocking Peptide	For anti-NPHP1 (ARP56084_P050-HRP) antibody is Catalog # AAP56084 (Previous Catalog # AAPP37707)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human NPHP1
Uniprot ID	O15259-4
Protein Name	Nephrocystin-1
Protein Accession #	NP_000263
Purification	Affinity Purified
Nucleotide Accession #	NM_000272
Gene Symbol	NPHP1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Zebrafish

Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 92%
Image 1	

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

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