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Datasheet for ABIN7161161 anti-NPHP4 antibody (AA 397-543) (HRP)

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Overview

Quantity:	100 μg
Target:	NPHP4
Binding Specificity:	AA 397-543
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPHP4 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Nephrocystin-4 protein (397-543AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	NPHP4
Alternative Name:	NPHP4 (NPHP4 Products)
Background:	Background: Involved in the organization of apical junctions, the function is proposed to
	implicate a NPHP1-4-8 module (PubMed:19755384, PubMed:21565611). Does not seem to be

strictly required for ciliogenesis (PubMed:21565611). Required for building functional cilia. Involved in the organization of the subapical actin network in multiciliated epithelial cells. Seems to recruit INT to basal bodies of motile cilia which subsequently interacts with actin-modifying proteins such as DAAM1 (By similarity). In cooperation with INVS may downregulate the canonical Wnt pathway and promote the Wnt-PCP pathway by regulating expression and subcellular location of disheveled proteins. Stabilizes protein levels of JADE1 and promotes its translocation to the nucleus leading to cooperative inhibition of canonical Wnt signaling (PubMed:21498478, PubMed:22654112). Acts as negative regulator of the hippo pathway by association with LATS1 and modifying LATS1-dependent phosphorylation and localization of WWTR1/TAZ (PubMed:21555462).

Aliases: KIAA0673 antibody, Nephrocystin-4 antibody, nephronophthisis 4 antibody, Nephroretinin antibody, NPHP4 antibody, NPHP4_HUMAN antibody, POC10 antibody, POC10 centriolar protein homolog antibody, SLSN4 antibody

UniProt:

075161

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.