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Datasheet for ABIN7161159  
**anti-NPHP4 antibody (AA 397-543) (Biotin)**

## Overview

Quantity:	100 µg
Target:	NPHP4
Binding Specificity:	AA 397-543
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPHP4 antibody is conjugated to Biotin
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 ( <a href="#">NPHP4 Products</a> )
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

## Target Details

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.