



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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<b>Product Number</b>	ARP56084_P050-Biotin
<b>Product Page</b>	<a href="http://www.avivasysbio.com/nphp1-antibody-middle-region-biotin-arp56084-p050-biotin.html">www.avivasysbio.com/nphp1-antibody-middle-region-biotin-arp56084-p050-biotin.html</a>
<b>Name</b>	NPHP1 Antibody - middle region : Biotin (ARP56084_P050-Biotin)
<b>Protein Size (# AA)</b>	733 amino acids
<b>Molecular Weight</b>	83kDa
<b>Conjugation</b>	Biotin
<b>NCBI Gene Id</b>	4867
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	0.5 mg/ml
<b>Gene Full Name</b>	Nephronophthisis 1 (juvenile)
<b>Alias Symbols</b>	NPH1, JBTS4, SLSN1
<b>Peptide Sequence</b>	Synthetic peptide located within the following region: <a href="#">GILFELGISYIRNSTGERGELSCGWVFLKLFEDASGVPIPAKTYEFLNGG</a>
<b>Product Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer.
<b>Reference</b>	Eley,L., (2008) Biochem. Biophys. Res. Commun. 371 (4), 877-882
<b>Description of Target</b>	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.
<b>Protein Interactions</b>	MED28; CEP164; ADAM15; UBQLN4; TNK2; ARHGAP32; BCAR1; KHDRBS1; UBC; NPHP1; INVS; NPHP3; NPHP4; PAK2; FLNB; PTK2B; FLNA; TUBB; FLNC; TNS1;
<b>Reconstitution and Storage</b>	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.
<b>Datasheets/Manuals</b>	Printable datasheet for <a href="#">anti-NPHP1 (ARP56084_P050-Biotin) antibody</a>
<b>Blocking Peptide</b>	For anti-NPHP1 (ARP56084_P050-Biotin) antibody is <a href="#">Catalog # AAP56084</a> (Previous Catalog # AAPP37707)
<b>Immunogen</b>	The immunogen is a synthetic peptide directed towards the middle region of human NPHP1
<b>Uniprot ID</b>	<a href="#">O15259-4</a>
<b>Protein Name</b>	Nephrocystin-1
<b>Protein Accession #</b>	<a href="#">NP_000263</a>
<b>Purification</b>	Affinity Purified
<b>Nucleotide Accession #</b>	<a href="#">NM_000272</a>
<b>Gene Symbol</b>	<a href="#">NPHP1</a>

<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Zebrafish
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 92%
<b>Image 1</b>	 A schematic diagram of an antibody molecule, showing a Y-shaped structure with two heavy chains and two light chains, connected by disulfide bonds.

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