

Rabbit NPHP1 Polyclonal Antibody | anti-NPHP1 antibody

NPHP1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279666	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

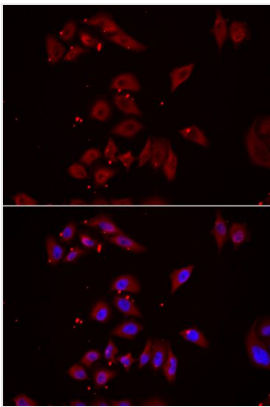
PRODUCT SYNONYMS

NPHP1; Polyclonal Antibody; NPHP1 Polyclonal Antibody; NPH1; JBTS4; SLSN1; anti-NPHP1 antibody

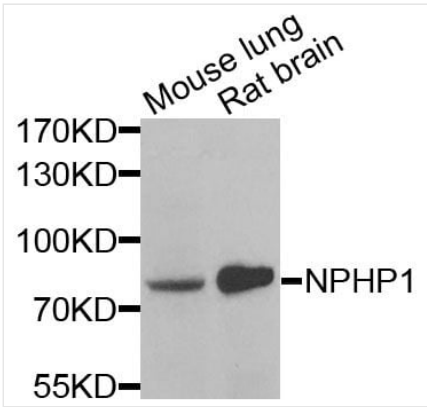
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	732
Applicable Applications for anti-NPHP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human NPHP1
Calculated Molecular Weight	83kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of U2OS cells using NPHP1 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using NPHP1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 15min.

ADDITIONAL INFORMATION

Related Product Information for anti-NPHP1 antibody	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.
Product Categories/Family for anti-NPHP1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	17367909
NCBI GeneID	4867
UniProt Accession #	O15259 ; O14837
Molecular Weight	732
NCBI Official Full Name	Nephrocystin-1
NCBI Official Synonym Full Names	nephronophthisis 1 (juvenile)
NCBI Official Symbol	NPHP1
NCBI Official Synonym Symbols	NPH1; JBTS4; SLSN1
NCBI Protein Information	nephrocystin-1; nephrocystin 1; juvenile nephronophthisis 1 protein
UniProt Protein Name	Nephrocystin-1
UniProt Gene Name	NPHP1
UniProt Synonym Gene Names	NPH1
UniProt Entry Name	NPHP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nphp1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/279666>