

## Rabbit NPHP1 Polyclonal Antibody | anti-NPHP1 antibody

NPHP1 antibody

|                               |                       |                                        |                                                         |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA302492</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|

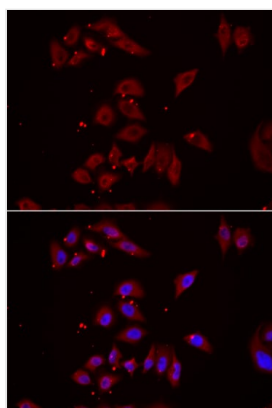
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                              |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                       |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                            |
| Clonality                                       | Polyclonal                                                                                                                                                   |
| Specificity                                     | The antibody detects endogenous level of total NPHP1 antibody.                                                                                               |
| Purity/Purification                             | Antibodies were purified by affinity purification using immunogen.                                                                                           |
| Form/Format                                     | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                   | 1.0 mg/ml (varies by lot)                                                                                                                                    |
| Applicable Applications for anti-NPHP1 antibody | IF (Immunofluorescence), WB (Western Blot)                                                                                                                   |
| Immunogen Type                                  | Recombinant Protein                                                                                                                                          |
| Immunogen Description                           | Recombinant protein of human NPHP1.                                                                                                                          |
| Target Name                                     | NPHP1                                                                                                                                                        |
| Preparation and Storage                         | Store at -20°C                                                                                                                                               |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using NPHP1 antibody. Blue: DAPI for nuclear staining.

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   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                               |
|----------------------------------|-------------------------------|
| NCBI GI #                        | 46397398                      |
| NCBI GeneID                      | 4867                          |
| NCBI Accession #                 | NP_000263.2                   |
| NCBI GenBank Nucleotide #        | NM_000272.3                   |
| UniProt Accession #              | O15259; O14837                |
| Molecular Weight                 | 83,428 Da                     |
| NCBI Official Full Name          | nephrocystin-1 isoform 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                |
| 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-western-blot-elisa/302492>