

Rabbit Nephrin Polyclonal Antibody | anti-NPHS1 antibody

Nephrin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40345	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

Nephrin; Polyclonal Antibody; Nephrin Antibody; CNF; NPHN; nephrin; Renal glomerulus-specific cell adhesion receptor; nephrosis 1; congenital; Finnish type (nephrin); anti-NPHS1 antibody

PRODUCT SPECIFICATIONS

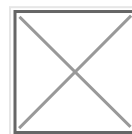
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Nephrin Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1241
Applicable Applications for anti-NPHS1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Nephrin antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human Nephrin.
Buffer	Nephrin Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



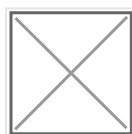
IF (Immunofluorescence)

Immunofluorescence of Nephrin in rat kidney tissue with Nephrin antibody at 20 µg/mL. Red: Nephrin Antibody (2265) Blue: DAPI staining



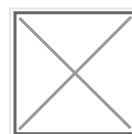
IHC (Immunohistochemistry)

Immunohistochemistry of Nephrin in mouse kidney tissue with Nephrin antibody at 1 µg/mL.



IF (Immunofluorescence)

Immunofluorescence of Nephrin in Mouse Kidney cells with Nephrin antibody at 10 µg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of Nephrin in rat kidney tissue with Nephrin antibody at 5 µg/mL.



WB (Western Blot)

Western blot analysis of Nephrin in mouse kidney tissue lysate with Nephrin antibody at 1 μg/mL in the (A) absence and (B) presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NPHS1 antibody

Nephrin Antibody: Nephrin is strongly expressed in renal glomeruli and is a member of the immunoglobulin family of cell adhesion molecules. Mutations in the Nephrin gene result in congenital nephrotic syndrome, an autosomal-recessive disorder characterized by massive proteinuria in utero and nephrosis at birth. Renal glomeruli allow normal kidneys to filter plasma so that it is very pure. Nephrin is expressed in the podocyte slit-diaphragm of the renal glomeruli in a manner that suggests that Nephrin molecules homodimerize in an anti-parallel fashion similar to cadherin interactions in adherens junctions. Thus, Nephrin may constitute the entire extracellular structure of the slit-diaphragm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758822
NCBI GeneID	4868
NCBI Accession #	NP_004637
NCBI GenBank Nucleotide #	NM_004646.3
UniProt Accession #	O60500; A6NDH2; C3RX61
Molecular Weight	130,546 Da
NCBI Official Full Name	nephrin
NCBI Official Synonym Full Names	nephrosis 1, congenital, Finnish type (nephrin)
NCBI Official Symbol	NPHS1
NCBI Official Synonym Symbols	CNF; NPHN; nephrin
NCBI Protein Information	nephrin; renal glomerulus-specific cell adhesion receptor
UniProt Protein Name	Nephrin
UniProt Gene Name	NPHS1
UniProt Synonym Gene Names	NPHN
UniProt Entry Name	NPHN_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/nephrin-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40345>