

Rabbit anti-Human, Mouse NPHS1 Polyclonal Antibody | anti-NPHS1 antibody

NPHS1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305370	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

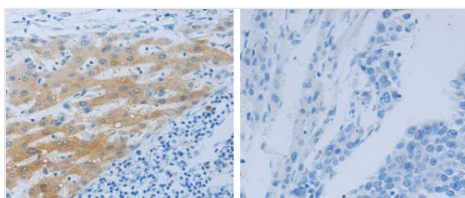
PRODUCT SYNONYMS

NPHS1; Polyclonal Antibody; NPHS1 Antibody; nephrosis 1; congenital; Finnish type (nephrin); CNF; NPHN; nephrin; anti-NPHS1 antibody

PRODUCT SPECIFICATIONS

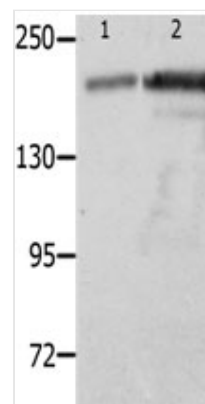
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total NPHS1 protein.
Form/Format	Supplied at 1.7mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Sequence Length	1241
Applicable Applications for anti-NPHS1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide peptide corresponding to a region derived from 1229-1241 amino acids of human nephrosis 1, congenital, Finnish type (nephrin)
Target Name	NPHS1
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 31249 (NPHS1 Antibody) at dilution 1/50, on the right is treated with the synthetic peptide.



Application Data

Gel: 8% SDS-PAGE
Lane1: Mouse spleen tissue lysate
Lane2: Mouse kidney tissue lysate
Lysates: 40ug per lane
Primary antibody: 1/800 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/5000 dilution
Exposure time: 1 minute

ADDITIONAL INFORMATION

Related Product Information for anti-NPHS1 antibody	This gene encodes a member of the immunoglobulin family of cell adhesion molecules that functions in the glomerular filtration barrier in the kidney. The gene is primarily expressed in renal tissues, and the protein is a type-1 transmembrane protein found at the slit diaphragm of glomerular podocytes. The slit diaphragm is thought to function as an ultrafilter to exclude albumin and other plasma macromolecules in the formation of urine. Mutations in this gene result in Finnish-type congenital nephrosis 1, characterized by severe proteinuria and loss of the slit diaphragm and foot processes. In Western blots, nephrin antibodies generated against the two terminal extracellular Ig domains of recombinant human nephrin recognized a 180-kDa protein in lysates of human glomeruli and a 150-kDa protein in transfected COS-7 cell lysates.
Product Categories/Family for anti-NPHS1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758822
NCBI GeneID	4868
NCBI Accession #	NP_004637
NCBI GenBank Nucleotide #	NM_004646.3
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/nphs1-antibody-immunohistochemistry-western-blot-elisa/305370>