

Rabbit NPHS2 Polyclonal Antibody | anti-NPHS2 antibody

Anti-NPHS2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45713	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Immunohistochemistry, Western Blot

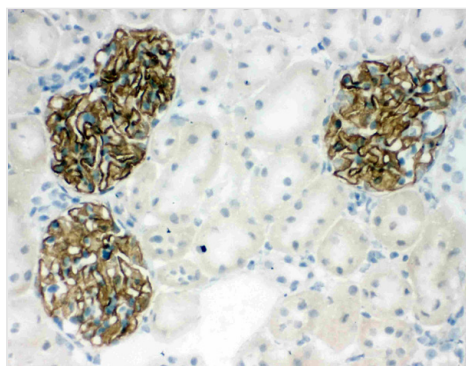
PRODUCT SYNONYMS

NPHS2; Polyclonal Antibody; Anti-NPHS2 antibody; Podocin; nephrosis 2; idiopathic; steroid-resistant(podocin); Nephrosis 2; steroid resistant(podocin) antibody; steroid resistant antibody; NPHS2 antibody; NPHS2 gene antibody; PDCN antibody; PODO_HUMAN antibody; Podocin antibody; SRN1 antibody; anti-NPHS2 antibody

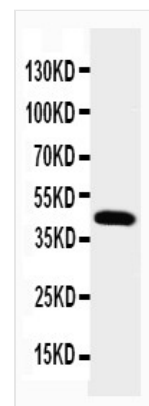
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	383
Applicable Applications for anti-NPHS2 antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human NPHS2 (368-383aa KPVEPLNPKKKDSPML), identical to the related mouse sequence, and different from the related rat sequence by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-NPHS2 antibody, AAA45713, IHC(F)IHC(F): Rat Kidney Tissue



WB (Western Blot)
Anti-NPHS2 antibody, AAA45713, Western blottingWB: Rat Kidney Tissue Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-NPHS2 antibody	Description: Rabbit IgG polyclonal antibody for Podocin(NPHS2) detection. Tested with WB, IHC-P, IHC-F in Human, Mouse, Rat. Background: Podocin(PDCN) is a protein which lines the podocytes and assists in maintaining the barrier at the glomerular basement membrane. NPHS2 is a causative gene for Familial idiopathic nephrotic syndromes, which represents a heterogeneous group of kidney disorders, and include autosomal recessive steroid-resistant nephrotic syndrome, which is characterized by early childhood onset of proteinuria, rapid progression to end-stage renal disease and focal segmental glomerulosclerosis. By positional cloning, NPHS2 was mapped to 1q25-31. It is almost exclusively expressed in the podocytes of fetal and mature kidney glomeruli, and encodes a new integral membrane protein, podocin, belonging to the stomatin protein family. Ten different NPHS2 mutations were found, comprising nonsense, frameshift and missense mutations, to segregate with the disease, demonstrating a crucial role for podocin in the function of the glomerular filtration barrier.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12230467
NCBI GeneID	7827
UniProt Accession #	Q9NP85; Q8N6Q5; B1AM32; B1AM33
Molecular Weight	34,421 Da
NCBI Official Full Name	Podocin
NCBI Official Synonym Full Names	nephrosis 2, idiopathic, steroid-resistant (podocin)
NCBI Official Symbol	NPHS2
NCBI Official Synonym Symbols	PDCN; SRN1
NCBI Protein Information	podocin
UniProt Protein Name	Podocin
UniProt Gene Name	NPHS2
UniProt Entry Name	PODO_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.