

Rabbit SAPAP1 Polyclonal Antibody | anti-NPHS1 antibody

SAPAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40224	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

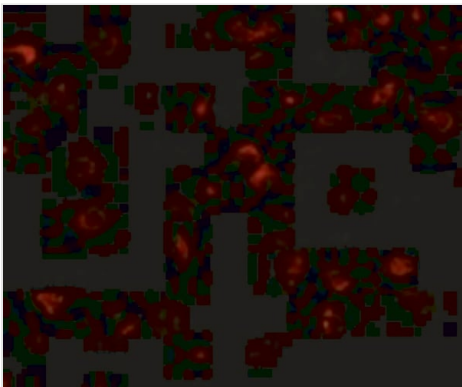
PRODUCT SYNONYMS

SAPAP1; Polyclonal Antibody; SAPAP1 Antibody; CNF; NPHN; nephrin; Nephrin; Renal glomerulus-specific cell adhesion receptor; nephrosis 1; congenital; Finnish type (nephrin; anti-NPHS1 antibody

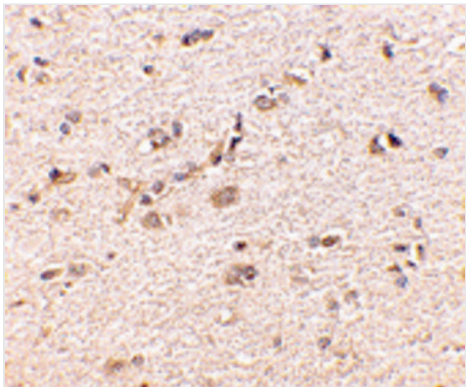
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three isoforms of SAPAP1 are known to exist. This SAPAP1 antibody will not cross-react with other SAPAP proteins.
Purity/Purification	SAPAP1 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	SAPAP1 antibody was raised against a 18 amino acid synthetic peptide from near the center of human SAPAP1.
Buffer	SAPAP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	SAPAP1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

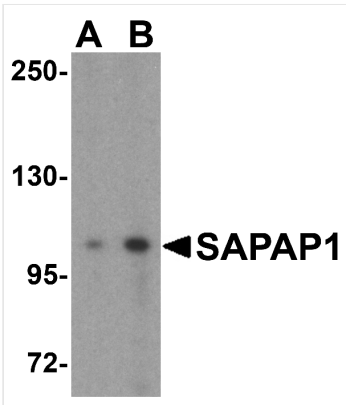
IMAGES



IF (Immunofluorescence)
Immunofluorescence of SAPAP1 in Human Brain cells with SAPAP1 antibody at 20 μg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of SAPAP1 in human brain with SAPAP1 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of SAPAP1 in rat brain tissue lysate with SAPAP1 antibody at (A) 0.5 and (B) 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-NPHS1 antibody

SAPAP1 Antibody: SAP90/PSD-95-associated protein 1 (SAPAP1, also known as DLGAP1 or GKAP) is a member of a protein family whose members specifically interact with PSD-95/SAP90, a membrane-associated guanylate kinase localized at postsynaptic density (PSD) in neuronal cells. Like the other SAPAP proteins, SAPAP1 is thought to be an adaptor protein that also interacts with different synaptic scaffolding proteins, cytoskeletal and signaling components, such as focal adhesion kinase (FAK) and proline-rich tyrosine kinase 2 (PYK2). SAPAP1 mRNA is targeted to cell bodies in a similar manner to SAPAP2 and -4, whereas SAPAP3 mRNA is detected mainly in cell bodies. SAPAP1 protein however, is targeted to the synapse and is not reliant on the synaptic localization of PSD-95 or the synaptic scaffolding molecule (S-SCAM).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758822
NCBI GeneID	4868
NCBI Accession #	NP_004737
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/sapap1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40224>