

NPHS1 / Nephrin Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11701**Specification**

NPHS1 / Nephrin Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	O60500
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	135kDa KDa

NPHS1 / Nephrin Antibody (C-Terminus) - Additional Information**Gene ID** 4868**Other Names**

Nephrin, Renal glomerulus-specific cell adhesion receptor, NPHS1, NPHN

Target/Specificity

14 amino acid peptide from near the carboxy terminus of human Nephrin.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

NPHS1 / Nephrin Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

NPHS1 / Nephrin Antibody (C-Terminus) - Protein Information**Name** NPHS1**Synonyms** NPHN**Function**

Seems to play a role in the development or function of the kidney glomerular filtration barrier. Regulates glomerular vascular permeability. May anchor the podocyte slit diaphragm to the actin cytoskeleton. Plays a role in skeletal muscle formation through regulation of myoblast fusion (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Note=Predominantly located at podocyte slit diaphragm between podocyte foot processes. Also associated with podocyte apical plasma membrane.

Tissue Location

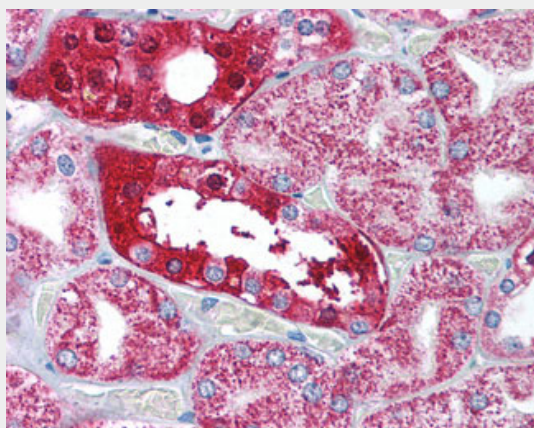
Specifically expressed in podocytes of kidney glomeruli

NPHS1 / Nephtrin Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NPHS1 / Nephtrin Antibody (C-Terminus) - Images



Anti-Nephtrin antibody IHC of human kidney.

NPHS1 / Nephtrin Antibody (C-Terminus) - Background

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NPHS1 / Nephtrin Antibody (C-Terminus) - References

- Kestilae M., et al. Mol. Cell 1:575-582(1998).
Tikhomirov E., et al. Hum. Genet. 125:334-334(2009).
Grunkemeyer J.A., et al. Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Grimwood J., et al. Nature 428:529-535(2004).
Holthoefer H., et al. Am. J. Pathol. 155:1681-1687(1999).