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Phospho-Nephrin(Y1193)) Antibody Blocking peptide

Synthetic peptide
Catalog # BP3746a

Specification

Phospho-Nephrin(Y1193)) Antibody Blocking peptide - Product Information

Primary Accession O60500

Phospho-Nephrin(Y1193)) Antibody Blocking peptide - Additional Information

Gene ID 4868

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Phospho-Nephrin(Y1193)) Antibody Blocking peptide - 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

Phospho-Nephrin(Y1193)) Antibody Blocking peptide - Protocols

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

- Blocking Peptides

Phospho-Nephrin(Y1193)) Antibody Blocking peptide - Images

Phospho-Nephrin(Y1193)) Antibody Blocking peptide - Background

This gene encodes a member of the immunoglobulin family ofcell adhesion molecules that functions in the glomerular filtrationbarrier in the kidney. The gene is primarily expressed in renaltissues, and the protein is a type-1 transmembrane protein found atthe slit diaphragm of glomerular podocytes. The slit diaphragm isthought to function as an ultrafilter to exclude albumin and otherplasma macromolecules in the formation of urine. Mutations in thisgene result in Finnish-type congenital nephrosis 1, characterizedby severe proteinuria and loss of the slit diaphragm and footprocesses.

Phospho-Nephrin(Y1193)) Antibody Blocking peptide - References

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