



NPHS1 blocking peptide (CDBP5847)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.[provided by RefSeq, Oct 2009]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	NPHS1 nephrosis 1, congenital, Finnish type (nephrin) [Homo sapiens (human)]
Official Symbol	NPHS1
Synonyms	NPHS1; nephrosis 1, congenital, Finnish type (nephrin); CNF; NPHN; nephrin; renal glomerulus-specific cell adhesion receptor

Entrez Gene ID	4868
mRNA Refseq	NM_004646
Protein Refseq	NP_004637
UniProt ID	O60500
Pathway	Cell-Cell communication; Nephrin interactions; Nephrin/Neph1 signaling in the kidney podocyte
Function	alpha-actinin binding; myosin binding; protein binding; protein domain specific binding; spectrin binding