



## NPHS1 blocking peptide (CDBP6044)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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]
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05 mg
<b>Preservative</b>	None
<b>Storage</b>	-20°C

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">NPHS1 nephrosis 1, congenital, Finnish type (nephrin) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	NPHS1
<b>Synonyms</b>	NPHS1; nephrosis 1, congenital, Finnish type (nephrin); CNF; NPHN; nephrin; renal glomerulus-specific cell adhesion receptor

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