

NPHS1 Antibody

Catalog No: #31249



Package Size: #31249-1 50ul #31249-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

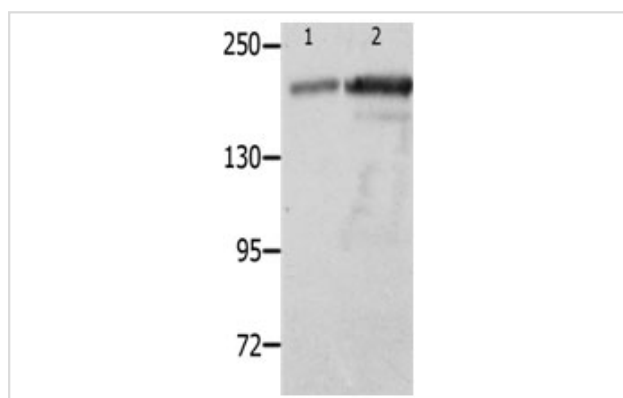
Description

Product Name	NPHS1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified by immunogen affinity chromatography.
Applications	WB;IHC;ICC/IF
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous level of total NPHS1 protein.
Immunogen Type	Peptide
Immunogen Description	KLH-conjugated synthetic peptide of human Nephin.
Conjugates	Unconjugated
Target Name	NPHS1
Other Names	nephrosis 1, congenital, Finnish type (nephin), CNF, NPHN, nephrin
Accession No.	Genbank No.: NP_004637
Concentration	1 mg/ml
Formulation	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application Details

WB 1:500-1:1000; IHC 1:50-1:100; ICC/IF 1:50-1:200;

Images



Gel: 8% SDS-PAGE

Lane1: Mouse spleen tissue lysate

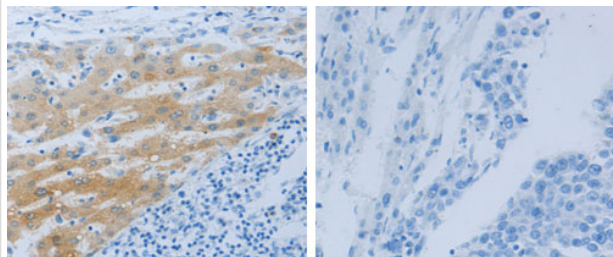
Lane2: Mouse kidney tissue lysate

Lysates: 40ug per lane

Primary antibody: 1/800 dilution

Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/5000 dilution

Exposure time: 1 minute



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 31249 (NPHS1 Antibody) at dilution 1/50, on the right is treated with the synthetic peptide.

Background

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. In Western blots, nephrin antibodies generated against the two terminal extracellular Ig domains of recombinant human nephrin recognized a 180-kDa protein in lysates of human glomeruli and a 150-kDa protein in transfected COS-7 cell lysates.

Published Papers

et al., Effects of transcription factor EB on oxidative stress and apoptosis Induced by high glucose In podocytes. In Int J Mol Med on 2019 May 24 by Kang Y, Li Y, et al.. PMID: 31173156, , (2019)

[PMID:31173156](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.