For Research Use Only

Nephrin Polyclonal antibody

Catalog Number:22912-1-AP



Purification Method:

WB 1:500-1:2000

IHC 1:400-1:1600

Antigen Affinity purified Recommended Dilutions:

Basic Information

Catalog Number: GenBank Accession Number: 22912-1-AP BC156935 GeneID (NCBI): Size: 4868 450 μg/ml Source: **UNIPROT ID:** 060500

Rabbit Isotype: Full Name:

nephrosis 1, congenital, Finnish type (nephrin) Immunogen Catalog Number:

120-130 kDa

AG18994 Calculated MW: 1241 aa, 135 kDa Observed MW:

Applications

Tested Applications: IHC, WB, ELISA Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse kidney tissue, IHC: rat kidney tissue,

Background Information

Podocytes are a major component of the glomerular blood filtration barrier. Podocyte protein Nephrin, also known as NPHS1, is the first to be identified as a central component of the slit diaphragm (SD), which is podocyte cell-cell junction. Mutations in Nephrin lead to congenital nephrosis, such as steroid-resistant proteinuria and congenital nephrotic syndrome of the Finnish type (CNF).

Storage

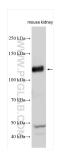
Storage:

Store at -20°C. Stable for one year after shipment.

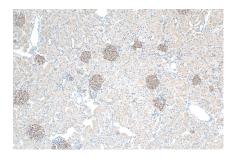
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

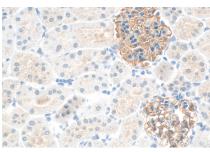
Selected Validation Data



mouse kidney tissue lysates were subjected to SDS PAGE followed by western blot with 22912-1-AP (Nephrin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded rat kidney tissue slide using 22912-1-AP (Nephrin antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded rat kidney tissue slide using 22912-1-AP (Nephrin antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).