

For Research Use Only

# Nephrin Polyclonal antibody

Catalog Number: 22912-1-AP



## Basic Information

<b>Catalog Number:</b> 22912-1-AP	<b>GenBank Accession Number:</b> BC156935	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4868	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:400-1:1600
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O60500	
<b>Isotype:</b> IgG	<b>Full Name:</b> nephrin 1, congenital, Finnish type (nephrin)	
<b>Immunogen Catalog Number:</b> AG18994	<b>Calculated MW:</b> 1241 aa, 135 kDa	
	<b>Observed MW:</b> 120-130 kDa	

## 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.

### Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

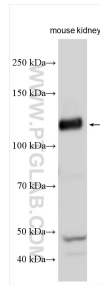
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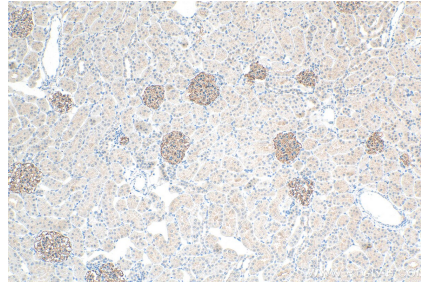
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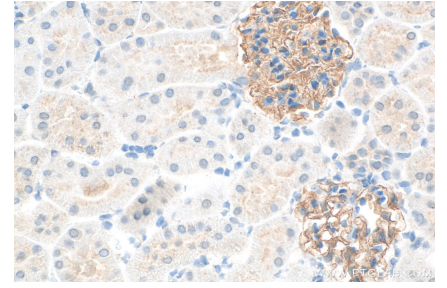
## Selected Validation Data



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 paraffin-embedded 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 paraffin-embedded 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).