anti-Nephrin guinea pig polyclonal, serum

Cat. No. GP-N2
Quantity 100 µL

Product description

Host guinea pig
Antibody Type polyclonal
Immunogen Synthetic peptide of mouse Nephrin (intracellular domain, aa1243-1256, EPGSLPFELRGHLV)
Purification stabilized antiserum
Conjugate unconjugated
Formulation contains 0.09% sodium azide
Storage short term at 2 – 8 °C; long term storage in aliquots at - 20 °C; avoid freeze/ thaw cycles
Tested species reactivity human, mouse

Applications

Tested applications Tested dilutions
Immunocytochemistry (ICC)/ Immunofluorescence (IF) assay dependent
Immunohistochemistry (IHC) - frozen 1:50
Immunohistochemistry (IHC) - paraffin 1:50 (microwave treatment recommended)
Western Blot (WB) 1:500

Background

The antibody reacts specifically with nephrin, first described as a kidney podocyte marker protein (MW 135,000 calculated from aa sequence data; apparent Mr 185,000 after SDS-PAGE).
Nephrin is a transmembrane cell adhesion molecule located at the slit diaphragm.
Immunolocalization: The antibody stains positively podocytes of the kidney, radial glial cells of the brain, Sertoli cells of testis, and beta islet cells of the pancreas.
Tested cultured cell lines: PCL (podocyte cell line), M-1 (cortical collecting duct cells)

Reference
<table>
<thead>
<tr>
<th>Publication</th>
<th>Species</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ma, Y. et al. Role of c-Abl and nephrin in podocyte cytoskeletal remodeling induced by angiostatin II. Cell.Death.Dis. 9, 185 (2018).</td>
<td>grivet, monkey</td>
<td>WB</td>
</tr>
</tbody>
</table>


**Product Images**

- Nephlin-N-2 antiserum
- glomerular lysates 7.5μg/lane
- Human
- Mouse

© PROGEN in cooperation with Uniklinik Heidelberg, Dr. Jochen Hall
mouse kidney glomeruli
fixed with acetone
stained with N-2 1:100 + anti-guinea-pig-HRP 1:400