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# NPHS1 Polyclonal Antibody

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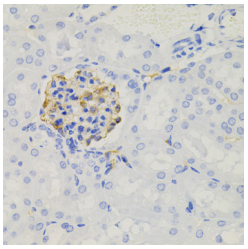
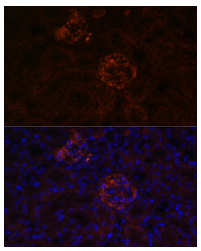
|---|---|---|---|
| **Catalog No.** | E-AB-67537 | **Reactivity** | M,R |
| **Storage** | Store at -20°C. Avoid freeze / thaw cycles. | **Host** | Rabbit |
| **Applications** | IHC,IF | **Isotype** | IgG |

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Images



Immunohistochemistry of paraffin-embedded Mouse kidney using NPHS1 Polyclonal Antibody



Immunofluorescence analysis of Mouse kidney cells using NPHS1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

## Immunogen Information

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|---|---|
| **Immunogen** | A synthetic peptide of human NPHS1 |
| **GeneID** | 4868 |
| **Swissprot** | O60500 |
| **Synonyms** | NPHS1,CNF,NPHN,nephrin |

## Product Information

| | |
|---|---|
| **Buffer** | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| **Purify** | Affinity purification |
| **Dilution** | IHC 1:50-1:100 IF 1:50-1:200 |

## 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.