

Nephrin Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251170

Unit: 0.1 mg

Description:

Nephrin plays a role in the development or function of the kidney glomerular filtration barrier. Nephrin regulates glomerular vascular permeability, and anchors the podocyte slit diaphragm to the actin cytoskeleton. Nephrin interacts with CD2AP (via C-terminal domain). Nephrin plays a role in skeletal muscle formation through regulation of myoblast fusion. Defects in NPHS1 are the cause of nephrotic syndrome type 1 (NPHS1), also known as Finnish congenital nephrosis (CNF). NPHS1 is a renal disease characterized clinically by proteinuria, hypoalbuminemia, hyperlipidemia, and edema. Kidney biopsies show non-specific histologic changes such as focal segmental glomerulosclerosis and diffuse mesangial proliferation.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, P, R

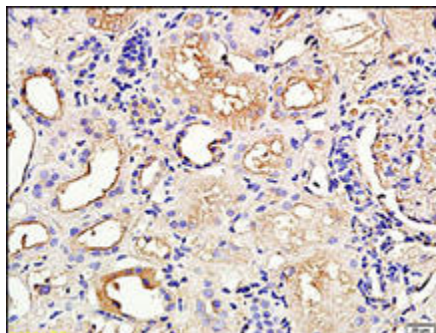
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 0.1 mg/ml BSA, 50% glycerol with 0.09% sodium azide. Antibody was purified by Protein-A and peptide-affinity chromatography.

Alternate Names: Nephrin; Renal glomerulus-specific cell adhesion receptor; NPHS1; NPHN

Accession No.: O60500

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human nephrin.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



Nephrin staining in kidney. Paraffin-embedded human kidney is stained with Nephrin Antibody (Cat. No. 251170) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.