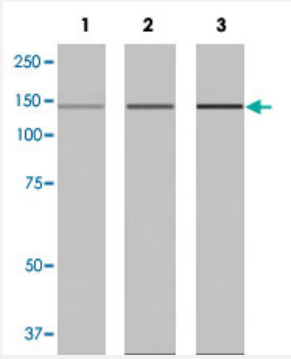
NPHS1 monoclonal antibody, clone Y17-R

Catalog # MAB1638 Size 50 uL

Applications



Western Blot (Recombinant protein)

Western blot analysis of recombinanr NPHS1 protein with NPHS1 monoclonal antibody, clone Y17-R (Cat # MAB1638).
Lane 1: 50 ng. Lane 2: 100 ng. Lane 3: 200 ng.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of NPHS1.
Immunogen	A synthetic peptide corresponding to fifth Ig-like domain (between residues Cys465-Cys528) of human NPHS1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Isotype	IgG
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:5000) ELISA (1:500001:100000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl, pH 8.0 (10 mg/mL BSA, 0.05% sodium azide)

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Storage Instruction	Store at -20°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation
- Western Blot (Recombinant protein)

  Western blot analysis of recombinanr NPHS1 protein with NPHS1 monoclonal antibody, clone Y17-R (Cat # MAB1638). Lane 1: 50 ng. Lane 2: 100 ng. Lane 3: 200 ng.

Gene Info — NPHS1

Entrez GeneID	4868
Gene Name	NPHS1
Gene Alias	CNF, NPHN
Gene Description	nephrosis 1, congenital, Finnish type (nephrin)
Omim ID	256300 602716
Gene Ontology	Hyperlink
Gene Summary	Nephrin is a kidney glomerular filtration barrier protein that is an essential component of the interp odocyte-spanning slit diaphragm. Mutations in the nephrin gene are associated with congenital ne phrotic syndrome (NPHS1; MIM 256300).[supplied by OMIM
Other Designations	nephrin|renal glomerulus-specific cell adhesion receptor

Publication Reference

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- Severe intraglomerular detachment of podocytes in a Gitelman syndrome patient.

  Takahashi N, Kimura H, Mizuno S, Hara M, Hirayama Y, Kurosawa H, Tsutaya S, Yasujima M, Yokoi S, Mikami D, Kasuno K, Naiki H, Iwano M, Yoshida H.

  Clinical and Experimental Nephrology 2012 Jun; 16(3):495.

  Application: IHC, Human, Detached podocytes and capillary-attached podocytes (kidney biopsy) from patients with Gitelman syndrome

Disease

- Cardiovascular Diseases
- Chronic Disease
- Diabetes
- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Glomerulonephritis
- Hematuria
- Hyperparathyroidism
- Hypertension
- Kidney Diseases
- Kidney Failure
- Nephrosis
- Nephrotic Syndrome
- Proteinuria

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