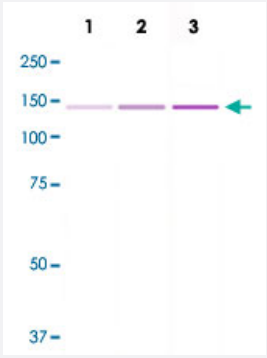
NPHS1 monoclonal antibody, clone Y17-R

Catalog # MAB15898 Size 100 uL

Applications



Western Blot (Recombinant protein)

Western Blot analysis of NPHS1 recombinant protein (Lane 1: 50 ng, Lane 2: 100 ng and Lane 3: 200 ng) with NPHS1 monoclonal antibody, clone Y17-R (Cat # MAB15898).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human NPHS1.
Immunogen	A synthetic peptide corresponding to amino acids 465-528 at internal region of the fifth Ig-like domai n of human NPHS1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	EVAC purification
Isotype	IgG
Recommend Usage	ELISA (1:50000-1:100000) Immunoprecipitation Western Blot (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl buffer, pH 8.0 (10 mg/mL BSA, 0.05% Sodium Azide).

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

Applications

- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation
- Western Blot (Recombinant protein)

  Western Blot analysis of NPHS1 recombinant protein (Lane 1: 50 ng, Lane 2: 100 ng and Lane 3: 200 ng) with NPHS1 monoclonal antibody, clone Y17-R (Cat # MAB15898).

Gene Info — NPHS1

Entrez GeneID	4868
Protein Accession#	O60500
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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- Early protective role of MST1 knockdown in response to experimental diabetic nephropathy.

  Wu W, Zhang M, Ou S, Liu X, Xue L, Liu J, Wu Y, Li Y, Liu Q.

  American Journal of Translational Research 2016 Mar; 8(3):1397.

  Application: Flow Cyt, IF, Rat, Rat podocyte

- The Dose-Dependent Organ-Specific Effects of a Dipeptidyl Peptidase-4 Inhibitor on Cardiovascular Complications in a Model of Type 2 Diabetes.

  Moon JY, Woo JS, Seo JW, Lee A, Kim DJ, Kim YG, Kim SY, Lee KH, Lim SJ, Cheng XW, Lee SH, Kim W.

  PLoS One 2016 Mar; 11(3):e0150745.

  Application: IHC-P, Mouse, Mouse kidney

- The renoprotective effect of shichimotsukokato on hypertension-induced renal dysfunction in spontaneously hypertensive rats.

  Ma Y, Fujimoto M, Watari H, Kimura M, Shimada Y.

  Nature Medicine 2016 Apr; 70(2):152.

  Application: WB-Ti, Rat, Rat renal cortices

Disease

- Cardiovascular Diseases
- Chronic Disease
- Diabetes
- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Glomerulonephritis
- Hematuria
- Hyperparathyroidism
- Hypertension
- Kidney Diseases

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- Kidney Failure
- Nephrosis
- Nephrotic Syndrome
- Proteinuria

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