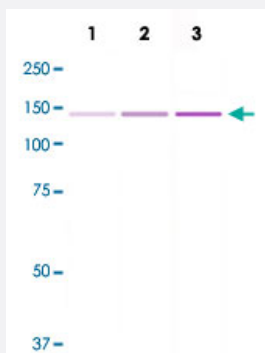


NPHS1 monoclonal antibody, clone Y17-R

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 domain 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).

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 should be handled by trained staff only.

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).

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

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 interpodocyte-spanning slit diaphragm. Mutations in the nephrin gene are associated with congenital nephrotic syndrome (NPHS1; MIM 256300).[supplied by OMIM]

Other Designations

nephrin|renal glomerulus-specific cell adhesion receptor

Publication Reference

- [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](#)

- [Kidney Failure](#)
- [Nephrosis](#)
- [Nephrotic Syndrome](#)
- [Proteinuria](#)