

Datasheet for ABIN2177857
anti-Nephrin antibody (AA 451-550)[3 Images](#)[2 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Nephrin (NPHS1)
Binding Specificity:	AA 451-550
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nephrin antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Nephrin
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Nephrin (NPHS1)
Alternative Name:	Nephrin (NPHS1 Products)
Background:	Synonyms: CNF, NPHN, nephrin, Renal glomerulus-specific cell adhesion receptor, NPHS1

Target Details

Background: Seems to play a role in the development or function of the kidney glomerular filtration barrier. Regulates glomerular vascular permeability. May anchor the podocyte slit diaphragm to the actin cytoskeleton. Plays a role in skeletal muscle formation through regulation of myoblast fusion (By similarity).

Gene ID: 4868

UniProt: [O60500](#)

Pathways: [Regulation of Actin Filament Polymerization](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100
IHC-P 1:200-400
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

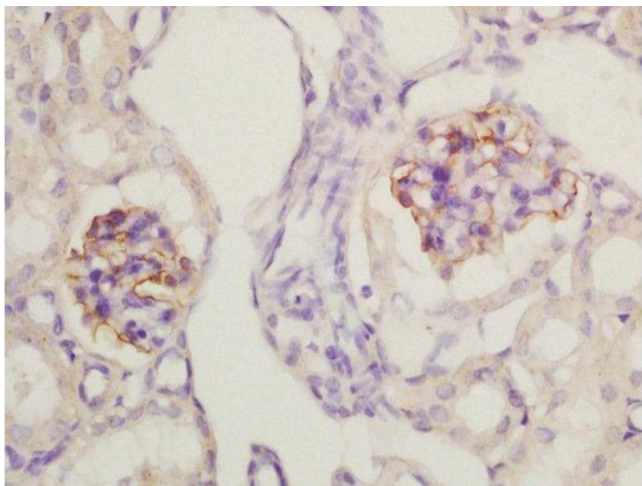
Expiry Date: 12 months

Publications

Product cited in: Wang, Feng, He, Sun, He, Jin: "miR-188-3p abolishes germacrone-mediated podocyte protection in a mouse model of diabetic nephropathy in type I diabetes through triggering mitochondrial injury." in: **Bioengineered**, (2021) ([PubMed](#)).

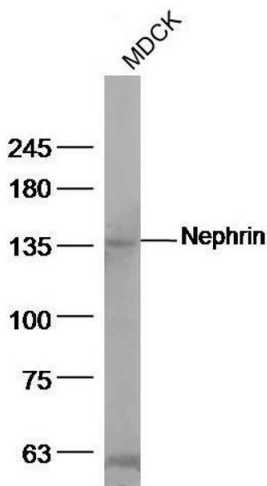
Chen, Cheng, Chen, Shao, Sung, Chiang, Yang, Lin, Sun, Sheu, Chang, Lee, Yip: "Combination therapy of exendin-4 and allogenic adipose-derived mesenchymal stem cell preserved renal function in a chronic kidney disease and sepsis syndrome setting in rats." in: **Oncotarget**, Vol. 8, Issue 59, pp. 100002-100020, (2018) ([PubMed](#)).

Images



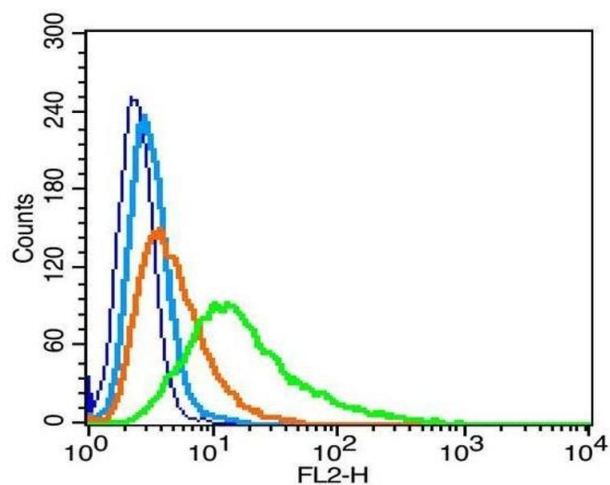
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded mouse kidney labeled with Rabbit Anti-Nephrin Polyclonal Antibody, Unconjugated (ABIN2177857) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Western Blotting

Image 2. MDCK cell lysates, probed with Nephrin Polyclonal Antibody, unconjugated at 1:500 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.



Flow Cytometry

Image 3. Rat RSC96 cells probed with Nephtrin Polyclonal Antibody, Unconjugated (green) at 1:100 for 30 minutes followed by a PE conjugated secondary antibody compared to unstained cells (blue), secondary only (light blue), and isotype control (orange).