Nephrin Rabbit mAb

Catalog NO.: A28348 Recombinant

Basic Information

Observed MW
135-200 kDa

Calculated MW
135 kDa/136 kDa

Category
Monoclonal Antibodies

Applications
WB, IF-P, IHC-P, ELISA

Cross-Reactivity
Mouse

Conjugation
Unconjugated

Clone number
ARC77478

Background

Predicted to enable cell adhesion molecule binding activity; cytoskeletal protein binding activity; and protein domain specific binding activity. Involved in myoblast fusion; skeletal muscle tissue development; and slit diaphragm assembly. Acts upstream of or within several processes, including JNK cascade; cell adhesion; and positive regulation of actin filament polymerization. Located in cell projection; focal adhesion; and plasma membrane. Is active in cell periphery. Is expressed in central nervous system; metanephros; and skeletal muscle. Used to study nephrotic syndrome. Human ortholog(s) of this gene implicated in nephrotic syndrome type 1. Orthologous to human NPHS1 (NPHS1 adhesion molecule, nephrin).

Recommended Dilutions

WB	1:3000 - 1:10000
IF-P	1:200 - 1:400
IHC-P	1:2000 - 1:8000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (⩾1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
54631

Swiss Prot
Q9QZS7

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
nephrin; NephrinB

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

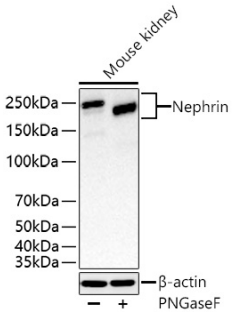
Source
Rabbit

Isotype
IgG

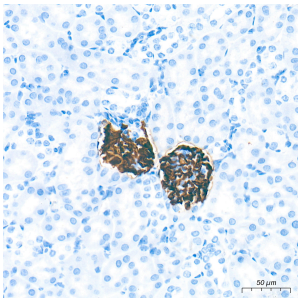
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

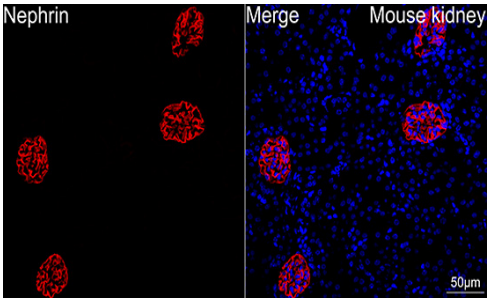
Validation Data



Western blot analysis of various lysates using Nephrin Rabbit mAb (A28348) at 1:5000 dilution incubated overnight at 4°C. Mouse kidney treated with PNGase F (10 uL) at 37°C for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using Nephrin Rabbit mAb (A28348) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Mouse kidney tissue using Nephrin Rabbit mAb (A28348, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

For research use only. Not for therapeutic or diagnostic purposes.

Please visit **https://abclonal.com** for a complete list of recommended products.