

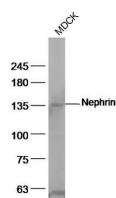
bs-10233R**[Primary Antibody]****Nephrin Rabbit pAb****BioSS**
ANTIBODIES

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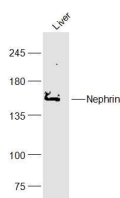
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techsupport@bioss.com.cn

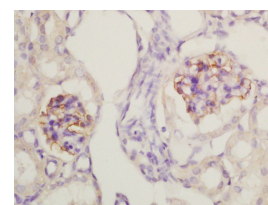
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 4868**SWISS:** O60500**Target:** Nephrin**Immunogen:** KLH conjugated synthetic peptide derived from human Nephrin: 451-550/1241. < Extracellular >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** This gene encodes a member of the immunoglobulin family of cell adhesion molecules that functions in the glomerular filtration barrier in the kidney. The gene is primarily expressed in renal tissues, and the protein is a type-1 transmembrane protein found at the slit diaphragm of glomerular podocytes. The slit diaphragm is thought to function as an ultrafilter to exclude albumin and other plasma macromolecules in the formation of urine. Mutations in this gene result in Finnish-type congenital nephrosis 1, characterized by severe proteinuria and loss of the slit diaphragm and foot processes.[provided by RefSeq, Oct 2009]**Applications:** **WB** (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Mouse, Rat, Dog
(predicted: Rabbit)**Predicted
MW.:** 138 kDa**Subcellular
Location:** Cell membrane**VALIDATION IMAGES**

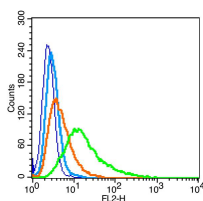
Sample: MDCK(Dog) Cell Lysate at 40 ug Primary:
Anti-Nephrin (bs-10233R) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 138 kD
Observed band size: 138 kD



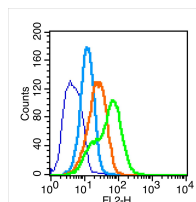
Sample: Liver (Mouse) Lysate at 40 ug Primary:
Anti-Nephrin (bs-10233R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 138 kD
Observed band size: 138 kD



Tissue/cell: mouse kidney tissue; 4%
Paraformaldehyde-fixed and paraffin-
embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Nephrin Polyclonal Antibody, Unconjugated(bs-10233R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: RSC96(blue), the cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice. Isotype Control Antibody: Rabbit



the cells(293T) were fixed with 2% paraformaldehyde (10 min). Isotype Control Antibody: Rabbit IgG(orange); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue),

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 1µg in 100 µL1X PBS containing 0.5% BSA(green).

Dilution: 1:200 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 1µg in 100 µL1X PBS containing 0.5% BSA(green).

— SELECTED CITATIONS —

- **[IF=11.864]** Hao Li. et al. Interleukin-23 reshapes kidney resident cell metabolism and promotes local kidney inflammation. J Clin Invest. 2021 May;; FCM ;Human. 33956666
- **[IF=12.4]** Baokui Ye. et al. C5a-C5aR1 axis controls mitochondrial fission to promote podocyte injury in lupus nephritis. MOL THER. 2024 Mar 05 FCM ;Human,Mouse. 38449312
- **[IF=5.168]** Chen, Chih-Hung, et al. "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." Oncotarget 8.59 (2017): 100002. IHC ;Rat. 29245956
- **[IF=4.6]** Jake N Robertson. et al. Optimization of mouse kidney digestion protocols for single-cell applications.. PHYSIOL GENOMICS. 2024 Mar;(Articles in Press): FCM ;Mouse. 38525531
- **[IF=3.699]** Xiao-Tan Zhang . et al. Baicalin reversal of DNA hypermethylation-associated Klotho suppression ameliorates renal injury in type 1 diabetic mouse model. Cell Cycle. 2020;19(23):3329-3347 WB ;Mouse. 33190590