

ARG59878 anti-NPHS2 / Podocin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NPHS2 / Podocin
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Chk
Tested Application	IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NPHS2 / Podocin
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 368-383 of Human NPHS2 / Podocin. (KPVEPLNPKKKDSPML)
Conjugation	Un-conjugated
Alternate Names	SRN1; Podocin; PDCN

Application Instructions

Application table	Application	Dilution
	IHC-Fr	1:200 - 1:1000
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 45 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

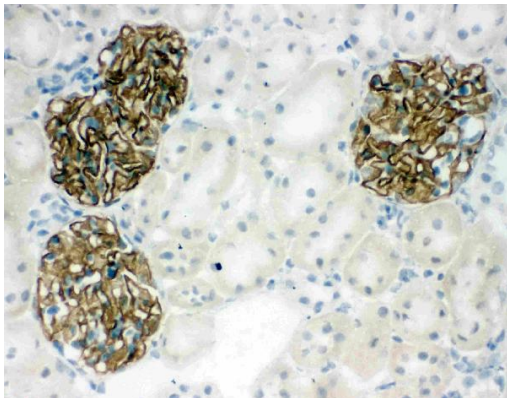
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

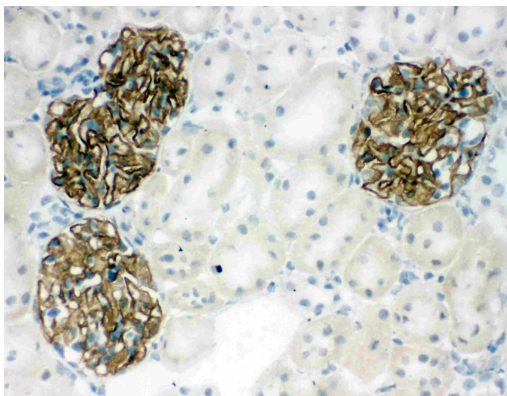
Gene Symbol	NPHS2
Gene Full Name	nephrosis 2, idiopathic, steroid-resistant (podocin)
Background	This gene encodes a protein that plays a role in the regulation of glomerular permeability. Mutations in this gene cause steroid-resistant nephrotic syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
Function	Plays a role in the regulation of glomerular permeability, acting probably as a linker between the plasma membrane and the cytoskeleton. [UniProt]
Calculated Mw	42 kDa
PTM	Isoform 2 is glycosylated. [UniProt]
Cellular Localization	Isoform 1: Cell membrane; Peripheral membrane protein. [UniProt]

Images



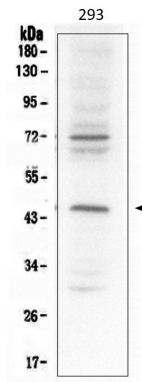
ARG59878 anti-NPHS2 / Podocin antibody IHC-Fr image

Immunohistochemistry: Frozen section of Rat kidney tissue. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59878 anti-NPHS2 / Podocin antibody at 1 µg/ml dilution, overnight at 4°C.



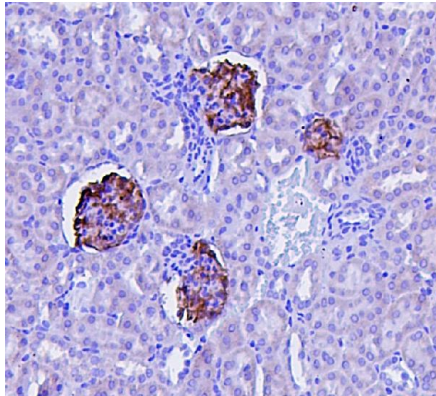
ARG59878 anti-NPHS2 / Podocin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59878 anti-NPHS2 / Podocin antibody at 1 µg/ml, overnight at 4°C.



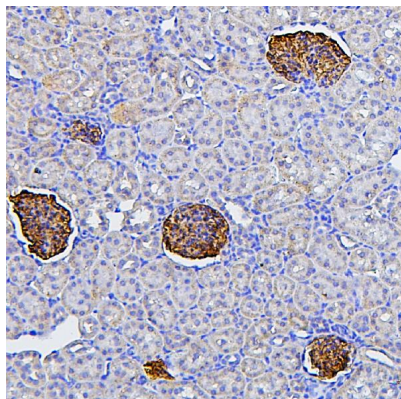
ARG59878 anti-NPHS2 / Podocin antibody WB image

Western blot: 50 ug of sample under reducing conditions. 293T whole cell lysate stained with ARG59878 anti-NPHS2 / Podocin antibody at 0.5 µg/ml, overnight at 4°C.



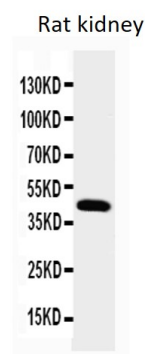
ARG59878 anti-NPHS2 / Podocin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse kidney tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59878 anti-NPHS2 / Podocin antibody at 1 µg/ml dilution, overnight at 4°C.



ARG59878 anti-NPHS2 / Podocin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59878 anti-NPHS2 / Podocin antibody at 1 µg/ml dilution, overnight at 4°C.



ARG59878 anti-NPHS2 / Podocin antibody WB image

Western blot: 50 ug of sample under reducing conditions. Rat kidney tissue lysate stained with ARG59878 anti-NPHS2 / Podocin antibody at 0.5 µg/ml, overnight at 4°C.