

For Research Use Only

NPHS2 Polyclonal antibody

Catalog Number: 20384-1-AP

21 Publications



Basic Information

Catalog Number: 20384-1-AP	GenBank Accession Number: BC029141	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7827	Recommended Dilutions: WB 1:500-1:1000 IF 1:20-1:200
Source: Rabbit	Full Name: nephrosis 2, idiopathic, steroid-resistant (podocin)	
Isotype: IgG	Calculated MW: 383 aa, 42 kDa	
Immunogen Catalog Number: AG14213	Observed MW: 42 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : rat kidney tissue, IF : zebrafish embryos,
Cited Applications: IF, IHC, WB	
Species Specificity: mouse, rat	
Cited Species: human, mouse, rat, zebrafish	

Background Information

NPHS2 (also known as Podocin) is a membrane protein located on the podocyte foot process and is the critical component of the glomerular filtration barrier. Mutations of NPHS2 cause recessive steroidresistant nephrotic syndrome. Two isoforms of NPHS2 exist with molecular weights of 42 kDa and 35 kDa, respectively. (PMID: 21499232)

Notable Publications

Author	Pubmed ID	Journal	Application
Kerrin Ursula Ingeborg Hansen	33070374	FASEB J	IF
Akiko Tanoue	34654837	Sci Rep	WB
Wei Zhu	34653727	Int Immunopharmacol	WB,IF

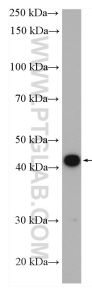
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

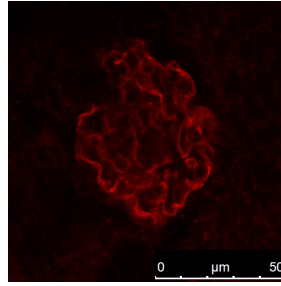
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Selected Validation Data



rat kidney tissue were subjected to SDS PAGE followed by western blot with 20384-1-AP (NPHS2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



The podocin antibody 20384-1-AP recognized the zebrafish pronephric glomeruli in zebrafish embryos (72 hour-old fish). IF result from Dr. Weibin Zhou.