

For Research Use Only

NAS1/SLC13A1 Polyclonal antibody

Catalog Number: 25039-1-AP



Basic Information

Catalog Number: 25039-1-AP	GenBank Accession Number: BC148686	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 550 µg/ml by Nanodrop and 273 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6561	Recommended Dilutions: WB 1:500-1:2000 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9BZW2	
Isotype: IgG	Full Name: solute carrier family 13 (sodium/sulfate symporters), member 1	
Immunogen Catalog Number: AG19026	Calculated MW: 595 aa, 66 kDa	
	Observed MW: 66 kDa	

Applications

Tested Applications: WB, IF, ELISA	Positive Controls: WB : HEK-293 cells, mouse kidney tissue
Species Specificity: human, mouse	IF : mouse kidney tissue,

Background Information

SLC13A1 also known as NAS1, is an apical membrane Na⁽⁺⁾-sulfate cotransporter involved in sulfate homeostasis in the kidney. SLC13A1 primarily participates in pH-independent, sodium-dependent cotransport of sulfate across renal proximal tubules and small intestinal epithelia (PMID: 38552027).

Storage

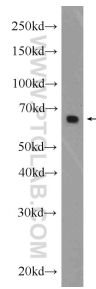
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

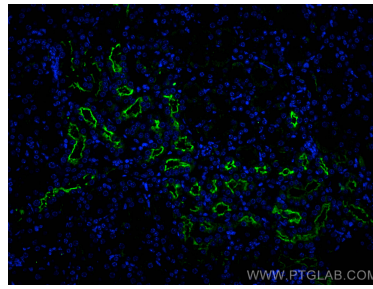
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

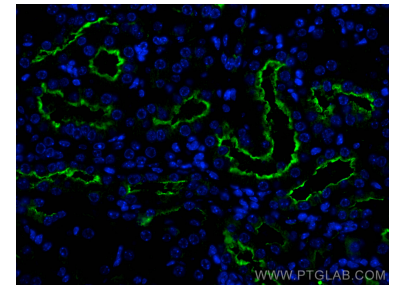
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 25039-1-AP (NAS1/SLC13A1 antibody at dilution of 1:1000) incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using NAS1/SLC13A1 antibody (25039-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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