

For Research Use Only

SLC5A8 Polyclonal antibody

Catalog Number: 29827-1-AP



Basic Information

Catalog Number: 29827-1-AP	GenBank Accession Number: BC110492	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 150 ug/ml by Nanodrop;	GeneID (NCBI): 160728	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q8N695	
Isotype: IgG	Full Name: solute carrier family 5 (iodide transporter), member 8	
Immunogen Catalog Number: AG30183	Calculated MW: 610 aa, 67 kDa	
	Observed MW: 67 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HEK-293 cells, HeLa cells, mouse kidney tissue, rat kidney tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : rat brain tissue,

Background Information

The sodium-coupled monocarboxylate transporter 1 (SMCT1; SLC5A8), belonging to the SLC5A family, is a 67-kDa protein that functions as a Na⁺-coupled electrogenic transporter for SCFAs. SLC5A mRNA and protein are expressed in healthy human, rat, and mouse colon. The protein is localized to the apical membrane of the colonocytes. Immunohistochemical studies revealed the selective localization of SMCT1 on the brush border in the villi of the terminal ileum and crypts of the colon in mice.

Storage

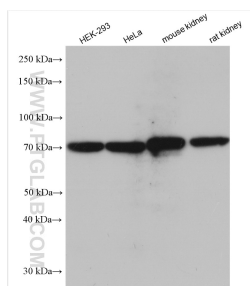
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

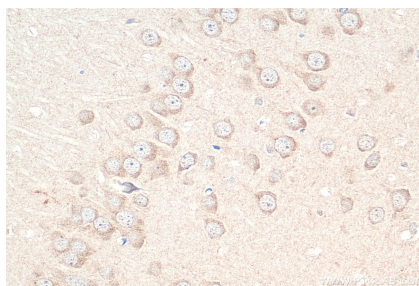
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29827-1-AP (SLC5A8 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 29827-1-AP (SLC5A8 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).