

For Research Use Only

SLC5A8 Polyclonal antibody

Catalog Number: 29827-1-AP



Basic Information

Catalog Number:

29827-1-AP

Size:

150 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30183

GenBank Accession Number:

BC110492

GeneID (NCBI):

160728

UNIPROT ID:

Q8N695

Full Name:

solute carrier family 5 (iodide transporter), member 8

Calculated MW:

610 aa, 67 kDa

Observed MW:

67 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HEK-293 cells, HeLa cells, mouse kidney tissue, rat kidney tissue

IHC: rat brain tissue,

Background Information

The sodium-coupled monocarboxylate transporter 1 (SMCT1; SLC5A8), belonging to the SLC5A family, is a 69-kDa protein functions as a Na⁺-coupled electrogenic transporter for SCFAs. SLC5A mRNA and protein are expressed in the healthy human, rat, and mouse colon. And the protein is localized to 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

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

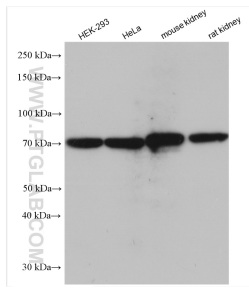
T: 4006900926

E: Proteintech-CN@ptglab.com

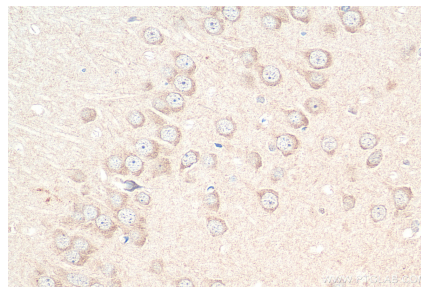
W: ptgcn.com

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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).