

For Research Use Only

# SLC5A8 Polyclonal antibody

Catalog Number: 29827-1-AP



## Basic Information

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

## Applications

|                                                   |                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b><br>WB, ELISA          | <b>Positive Controls:</b><br>WB : HEK-293 cells, HeLa cells, mouse kidney tissue, rat kidney tissue |
| <b>Species Specificity:</b><br>Human, mouse , rat |                                                                                                     |

## Background Information

The sodium-coupled monocarboxylate transporter 1 (SMCT1; SLC5A8), belonging to the SLC5A family, is a 69-kDa protein functions as a Na<sup>+</sup>-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

\*\*\* 20ul sizes contain 0.1% BSA

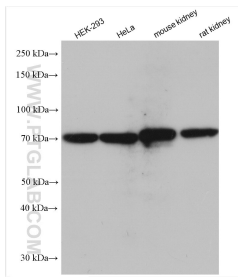
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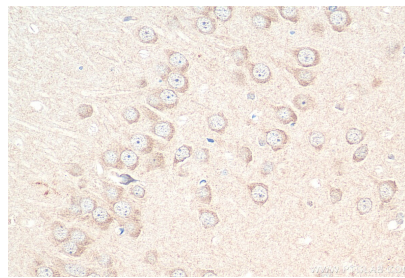
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## Selected Validation Data



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).