

For Research Use Only

SLC6A19 Polyclonal antibody

Catalog Number: 27575-1-AP



Basic Information

Catalog Number:

27575-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24362

GenBank Accession Number:

BC148801

GeneID (NCBI):

340024

UNIPROT ID:

Q695T7

Full Name:

solute carrier family 6 (neutral amino acid transporter), member 19

Calculated MW:

634 aa, 71 kDa

Observed MW:

71 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB: Caco-2 cells, mouse kidney tissue, PC-3 cells, mouse small intestine tissue

Background Information

SLC6A19, also named as B0AT1, encodes system B(0) transmembrane protein that mediates epithelial resorption of neutral amino acids across the apical membrane in kidney and intestine (PubMed: 15044460). The protein contains 634 amino acids and has 12 predicted transmembrane regions with highly expression in human kidney and small intestine and minimal in pancreas (PubMed: 15286787). The expression of SLC6A19 in intestinal cells depends on angiotensin converting enzyme 2 which is the cellular receptor for SARS-CoV-2 (PubMed: 32132184). Mutations in SLC6A19 cause Hartnup disease (PMID: 15286787, PMID: 15286788).

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:

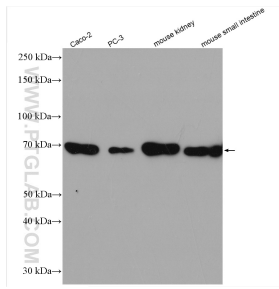
T: 4006900926

E: Proteintech-CN@ptglab.com

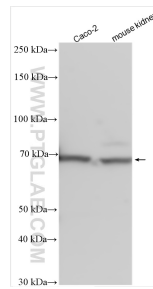
W: ptgcn.com

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

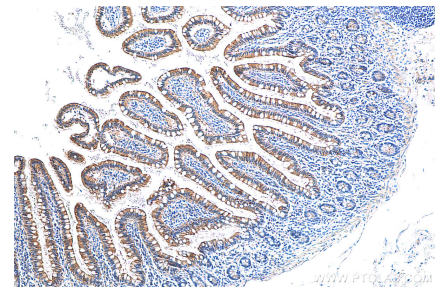
Selected Validation Data



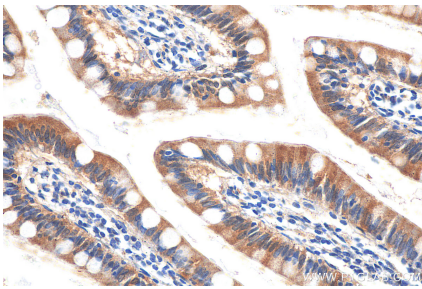
Various lysates were subjected to SDS PAGE followed by western blot with 27575-1-AP (SLC6A19 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 27575-1-AP (SLC6A19 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 27575-1-AP (SLC6A19 antibody) at dilution of 1:800 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 27575-1-AP (SLC6A19 antibody) at dilution of 1:800 (under 40x lens).