

For Research Use Only

SLC6A19 Polyclonal antibody, PBS Only

Catalog Number: 29372-1-PBS



Basic Information

Catalog Number:

29372-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31076

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:

70 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

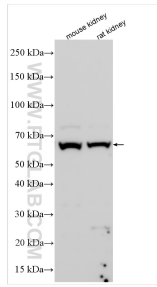
T: 4006900926

E: Proteintech-CN@ptglab.com

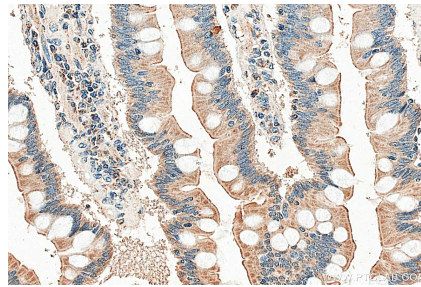
W: ptgcn.com

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 29372-1-AP (SLC6A19 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29372-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 29372-1-AP (SLC6A19 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29372-1-PBS in a different storage buffer formulation.