

For Research Use Only

# SLC6A19 Polyclonal antibody, PBS Only

Catalog Number: 29372-1-PBS



## Basic Information

<b>Catalog Number:</b> 29372-1-PBS	<b>GenBank Accession Number:</b> BC148801	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 340024	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q695T7	
<b>Isotype:</b> IgG	<b>Full Name:</b> solute carrier family 6 (neutral amino acid transporter), member 19	
<b>Immunogen Catalog Number:</b> AG31076	<b>Calculated MW:</b> 634 aa, 71 kDa	
	<b>Observed MW:</b> 70 kDa	

## 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

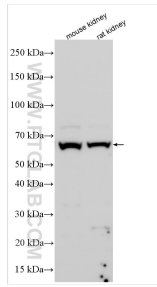
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

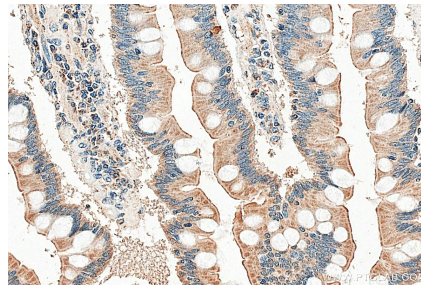
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## 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.