

For Research Use Only

SLC15A1/PEPT1 Polyclonal antibody

Catalog Number: 21726-1-AP

1 Publications



Basic Information

Catalog Number:

21726-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16390

GenBank Accession Number:

BC096327

GeneID (NCBI):

6564

UNIPROT ID:

P46059

Full Name:

solute carrier family 15 (oligopeptide transporter), member 1

Calculated MW:

708 aa, 79 kDa

Observed MW:

70-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB: COLO 320 cells, Caco-2 cells, HT-29 cells, MOLT-4 cells, mouse small intestine tissue

Background Information

SLC15A1/PEPT1 is a peptide transporter that transports oligopeptides of 2 to 4 amino acids with a preference for dipeptides. PEPT1 mediates transepithelial transport of muramyl and N-formylated bacterial dipeptides contributing to recognition of pathogenic bacteria by the mucosal immune system. PEPT1 is primarily expressed in the small intestine (PMID: 22194420). PEPT1 is also expressed in distal colon in rodents and humans and contributes to water absorption. 71 kDa nonglycosylated PEPT1 protein can be detected (PMID: 23660505).

Notable Publications

Author	Pubmed ID	Journal	Application
Kumi Ogihara	28416355	Photodiagnosis Photodyn Ther	IHC

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

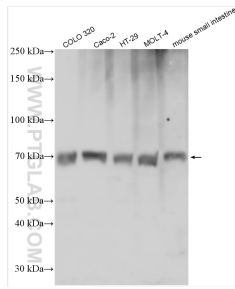
For technical support and original validation data for this product please contact:

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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 21726-1-AP (SLC15A1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.