

PEPT1 Polyclonal Antibody
Catalog # AP71845**Specification**

PEPT1 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P46059
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

PEPT1 Polyclonal Antibody - Additional Information**Gene ID** 6564**Other Names**

SLC15A1; PEPT1; Solute carrier family 15 member 1; Intestinal H(+)/peptide cotransporter; Oligopeptide transporter; small intestine isoform; Peptide transporter 1

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

PEPT1 Polyclonal Antibody - Protein Information**Name** SLC15A1 ([HGNC:10920](#))**Function**

Electrogenic proton-coupled amino-acid transporter that transports oligopeptides of 2 to 4 amino acids with a preference for dipeptides. Transports neutral and monovalently charged peptides with a proton to peptide stoichiometry of 1:1 or 2:1 (PubMed:7896779, PubMed:9835627, PubMed:8914574, PubMed:15521010, PubMed:18367661, PubMed:19685173, PubMed:26320580) (By similarity). Primarily responsible for the absorption of dietary di- and tripeptides from the small intestinal lumen (By similarity). Mediates transepithelial transport of muramyl and N-formylated bacterial dipeptides contributing to recognition of pathogenic bacteria by the mucosal immune system (PubMed:9835627, PubMed:15521010)

target="_blank">15521010).

Cellular Location

Apical cell membrane; Multi-pass membrane protein. Note=Localized to the apical membrane of enterocytes

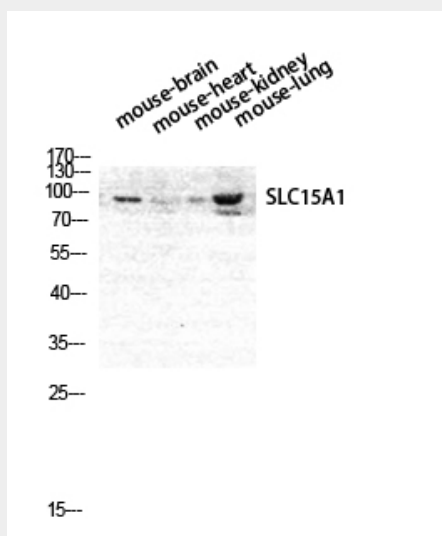
Tissue Location

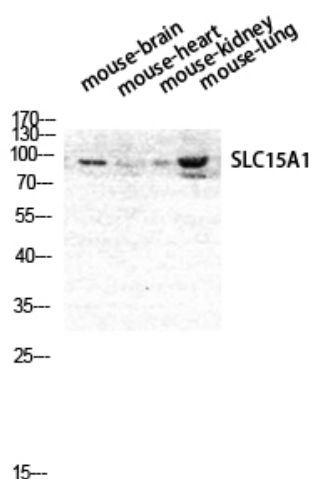
Expressed in small intestine.

PEPT1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PEPT1 Polyclonal Antibody - Images



PEPT1 Polyclonal Antibody - Background

Proton-coupled intake of oligopeptides of 2 to 4 amino acids with a preference for dipeptides. May constitute a major route for the absorption of protein digestion end-products.