

SLC15A1 / PEPT1 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11960**Specification**

SLC15A1 / PEPT1 Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	P46059
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79kDa KDa

SLC15A1 / PEPT1 Antibody (C-Terminus) - Additional Information**Gene ID** 6564**Other Names**

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

Target/Specificity

synthetic peptide corresponding to C-terminal residues of human PEPT1 (Peptide transporter 1)

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

SLC15A1 / PEPT1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC15A1 / PEPT1 Antibody (C-Terminus) - 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).

Cellular Location

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

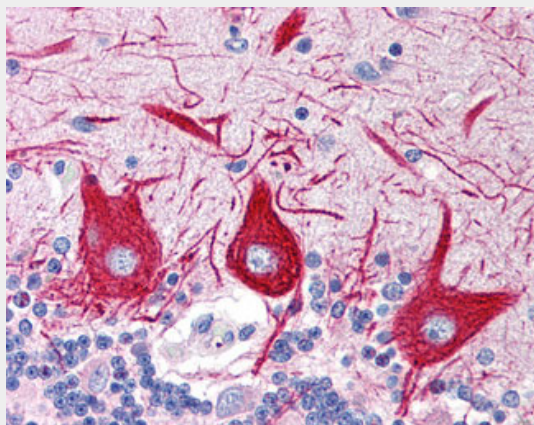
Tissue Location

Expressed in small intestine.

SLC15A1 / PEPT1 Antibody (C-Terminus) - 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](#)

SLC15A1 / PEPT1 Antibody (C-Terminus) - Images

Anti-SLC15A1 antibody IHC of human brain, cerebellum.

SLC15A1 / PEPT1 Antibody (C-Terminus) - 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.

SLC15A1 / PEPT1 Antibody (C-Terminus) - References

Liang R.,et al.J. Biol. Chem. 270:6456-6463(1995).
Dunham A.,et al.Nature 428:522-528(2004).
Saito S.,et al.J. Hum. Genet. 47:576-584(2002).
Anderle P.,et al.J. Pharmacol. Exp. Ther. 316:636-646(2006).