10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-SLC15A1 / PEPT1 Antibody (aa225-274)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18364

Specification

Anti-SLC15A1 / PEPT1 Antibody (aa225-274) - Product Information

Application	**WB, IHC-P, E**
Primary Accession	P46059
Predicted	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**78806**

Anti-SLC15A1 / PEPT1 Antibody (aa225-274) - Additional Information

Gene ID 6564

Alias Symbol	**SLC15A1**

Other Names
SLC15A1, HPECT1, PEPT1, HPEPT1, Peptide transporter 1

Target/Specificity
SLC15A1 Antibody detects endogenous levels of SLC15A1.

Reconstitution & Storage
Immunoaffinity purified

Precautions
Anti-SLC15A1 / PEPT1 Antibody (aa225-274) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-SLC15A1 / PEPT1 Antibody (aa225-274) - 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.

Anti-SLC15A1 / PEPT1 Antibody (aa225-274) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-SLC15A1 / PEPT1 Antibody (aa225-274) - Images