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Anti-SLC15A1 / PEPT1 Antibody (aa225-274)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18364

Product Information

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

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.

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 (By similarity) (PubMed:15521010, PubMed:18367661, PubMed:19685173, PubMed:26320580, PubMed:7896779, PubMed:8914574, PubMed:9835627). 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:15521010, PubMed:9835627).
Cellular Location	Apical cell membrane; Multi-pass membrane protein. Note=Localized to the apical membrane of enterocytes
Tissue Location	Expressed in small intestine.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.