10320 Camino Santa Fe, Suite G
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SLC15A1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50715

Specification

SLC15A1 Antibody - Product Information

Application	**WB**
Primary Accession	P46059
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**79 KDa**
Antigen Region	**231-260**

SLC15A1 Antibody - 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

Dilution
WB~~1:1000

Format
Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions
-20℃

SLC15A1 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).

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

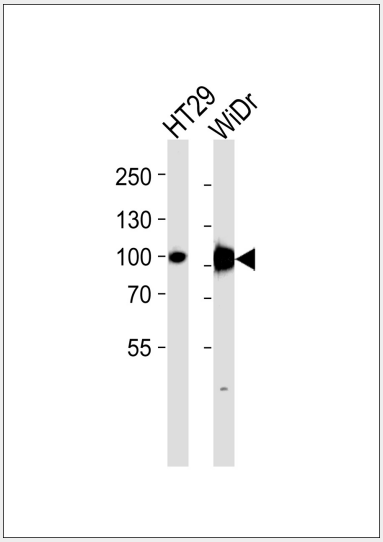
Tissue Location
Expressed in small intestine.

SLC15A1 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 Cytomety
- Cell Culture

SLC15A1 Antibody - Images



Western blot analysis of lysates from HT29,WiDr cell line (from left to right),using SLC15A1 Antibody(AP50715). AP50715 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

SLC15A1 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.

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Dunham A.,et al.Nature 428:522-528(2004).
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