

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°C

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 (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

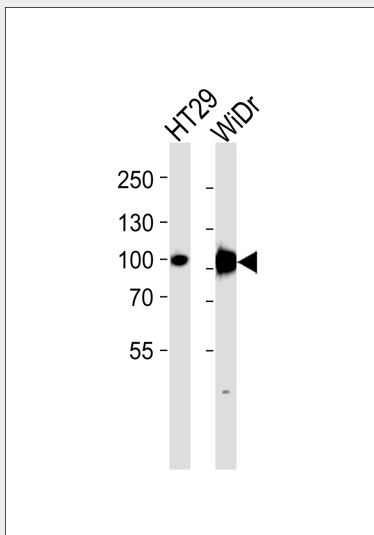
Expressed in small intestine.

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 Cytometry](#)
- [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.

SLC15A1 Antibody - 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).