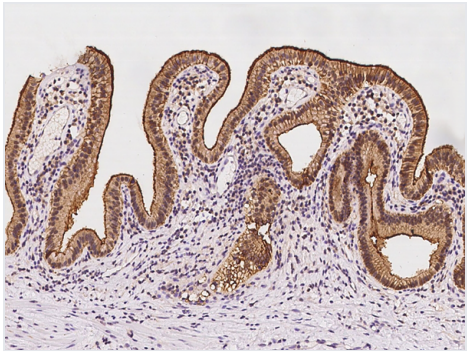
SLC15A1 Antibody – Rabbit Polyclonal

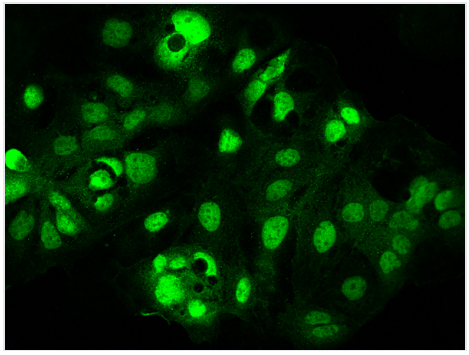
PRODUCT OVERVIEW

Product Name	SLC15A1/PEPT1, Polyclonal Antibody
Full Product Name	Anti-SLC15A1/PEPT1 Antibody, Rabbit Polyclonal
Product Gene Name	anti-SLC15A1 antibody
Product Synonym Names	SLC15A1 Antibody, Rabbit PAb, Antigen Affinity Purified; solute carrier family 15 member 1; Anti-HPECT1 Antibody; Anti-HPEPT1 Antibody; Anti-PEPT1 Antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Purity/Purification	Protein A & Antigen Affinity
Specificity	Human SLC15A1
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.
Immunogen	E Coli-derived Human SLC15A1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human SLC15A1 fragment, and purified by antigen affinity chromatography.
Applications Tested/Suitable for anti-SLC15A1 antibody	Immunohistochemistry-Paraffin (IHC-P), Immunocytochemistry (ICC), Immunofluorescence (IF)
Application Notes for anti-SLC15A1 antibody	IHC-P: 1:200-1:1000 ICC/IF: 1:200-1:1000
Related Product Information for anti-SLC15A1 antibody	The intestinal transporter PepT1, encoded by the SLC15A1 gene, mediates intracellular uptake of bacterial products that can induce inflammation and NF-kappaB activation upon binding to NOD2, a protein often mutated in CD. PepT1 (SLC15A1) is a transporter apically expressed along the lumen of the gastrointestinal tract and is responsible for the absorption of di-/tripeptides, ACE inhibitors, beta-lactam antibiotics, and numerous prodrugs. The peptide transporter 1 (PepT1, SLC15A1) is abundantly expressed particularly in the intestinal tract and provides highly effective transport of amino acids in the form of di-and tripeptides and features a substantial acceptance for structurally related compounds and drugs. These characteristics bring PepT1 into focus for nutritional and medical/pharmaceutical approaches, as it is the essential hub responsible for the oral bioavailability of dietary protein/peptide supplements and peptide-like drugs in eukaryotic organisms.
Product References and Citations for anti-SLC15A1 antibody	Zucchelli M, et al. (2009) Pept1 oligopeptide transporter (slc15a1) gene polymorphism in inflammatory bowel disease. Inflamm Bowel Dis 15 (10): 1562-1569.Spanier B, et al. (2018) Proton coupled oligopeptide transporter 1 (pept1) function, regulation, and influence on the intestinal homeostasis. Compr Physiol 8 (2): 843-869.Anderson CM, et al. (2007) Regulation of intestinal hpept1 (slc15a1) activity by phosphodiesterase inhibitors is via inhibition of nhe3 (slc9a3). Biochim Biophys Acta 1768 (7): 1822-1829.
Other Notes	Small volumes of anti-SLC15A1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for SLC15A1 purchase	MBS8109164 is an antibody targeting SLC15A1. Also known as Anti-SLC15A1/PEPT1 Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-SLC15A1 antibody
Immunochemical staining of human SLC15A1 in human gallbladder with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



Immunofluorescence (IF) of anti-SLC15A1 antibody
Immunofluorescence staining of SLC15A1 in CACO-2 cells. Cells were fixed with 4% PFA, permeabilzed with 0.1% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Human SLC15A1 polyclonal antibody (dilution ratio 1:300) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC15A1. It may not necessarily be applicable to this product.

Protein Family	Solute carrier family
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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