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

# SLC15A3 Antibody (Center) Blocking peptide
**Synthetic peptide**
**Catalog # BP12933c**

## Specification

### SLC15A3 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q8IY34

### SLC15A3 Antibody (Center) Blocking peptide - Additional Information

**Gene ID** 51296

**Other Names**
Solute carrier family 15 member 3, Osteoclast transporter, Peptide transporter 3, Peptide/histidine transporter 2, SLC15A3, OCTP, PHT2, PTR3

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### SLC15A3 Antibody (Center) Blocking peptide - Protein Information

**Name** SLC15A3 (HGNC:18068)

**Function**
Proton-coupled amino-acid transporter that transports free histidine and certain di- and tripeptides, and is involved in innate immune response (By similarity). Also able to transport carnosine (PubMed:<a href="http://www.uniprot.org/citations/31073693" target="_blank">31073693</a>, PubMed:<a href="http://www.uniprot.org/citations/31254495" target="_blank">31254495</a>). Involved in the detection of microbial pathogens by toll-like receptors (TLRs) and NOD-like receptors (NLRs), probably by mediating transport of bacterial peptidoglycans across the endolysosomal membrane: catalyzes the transport of certain bacterial peptidoglycans, such as muramyl dipeptide (MDP), the NOD2 ligand (By similarity).

**Cellular Location**
Lysosome membrane; Multi-pass membrane protein. Endosome membrane {ECO:0000250|UniProtKB:Q8BPX9}; Multi-pass membrane protein

### SLC15A3 Antibody (Center) Blocking peptide - Protocols

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

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

- Blocking Peptides

**SLC15A3 Antibody (Center) Blocking peptide - Images**

**SLC15A3 Antibody (Center) Blocking peptide - Background**

SLC15A3 is proton oligopeptide cotransporter. Transports free histidine and certain di-and tripeptides (By similarity).

**SLC15A3 Antibody (Center) Blocking peptide - References**

Daniel, H., et al. Pflugers Arch. 447(5):610-618(2004)Sakata, K., et al. Biochem. J. 356 (PT 1), 53-60 (2001) :Botka, C.W., et al. AAPS PharmSci 2 (2), E16 (2000) :