

SLC30A2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16383b**Specification**

SLC30A2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9BRI3](#)**SLC30A2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 7780**Other Names**

Zinc transporter 2, ZnT-2, Solute carrier family 30 member 2, SLC30A2, ZNT2

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.

SLC30A2 Antibody (C-term) Blocking Peptide - Protein Information**Name** SLC30A2 ([HGNC:11013](#))**Function**

[Isoform 1]: Electroneutral proton-coupled antiporter concentrating zinc ions into a variety of intracellular organelles including endosomes, zymogen granules and mitochondria. Thereby, plays a crucial role in cellular zinc homeostasis to confer upon cells protection against its potential cytotoxicity (PubMed: [21289295](http://www.uniprot.org/citations/21289295), PubMed: [25808614](http://www.uniprot.org/citations/25808614), PubMed: [25657003](http://www.uniprot.org/citations/25657003), PubMed: [30893306](http://www.uniprot.org/citations/30893306), PubMed: [17065149](http://www.uniprot.org/citations/17065149), PubMed: [22733820](http://www.uniprot.org/citations/22733820)). Regulates the zinc concentration of milk, through the transport of zinc ions into secretory vesicles of mammary cells (PubMed: [19496757](http://www.uniprot.org/citations/19496757)). By concentrating zinc ions into lysosomes participates to lysosomal-mediated cell death during early mammary gland involution (PubMed: [25808614](http://www.uniprot.org/citations/25808614)).

Cellular Location

[Isoform 1]: Cytoplasmic vesicle, secretory vesicle membrane; Multi-pass membrane protein.

Zymogen granule membrane {ECO:0000250|UniProtKB:Q2HJ10}; Multi-pass membrane protein. Endosome membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Mitochondrion inner membrane; Multi-pass membrane protein. Note=Localization to lysosomes is induced by TNF-alpha

SLC30A2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SLC30A2 Antibody (C-term) Blocking Peptide - Images

SLC30A2 Antibody (C-term) Blocking Peptide - References

Lopez, V., et al. Biochem. J. 422(1):43-52(2009)Shen, M., et al. Environ. Mol. Mutagen. 50(4):285-290(2009)Wang, L., et al. Cancer Epidemiol. Biomarkers Prev. 17(12):3558-3566(2008)Overbeck, S., et al. J. Leukoc. Biol. 83(2):368-380(2008)Falcon-Perez, J.M., et al. Exp. Cell Res. 313(7):1473-1483(2007)