

SLC30A7 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12737a**Specification**

SLC30A7 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q8NEW0](#)**SLC30A7 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 148867**Other Names**

Zinc transporter 7, ZnT-7, Solute carrier family 30 member 7, Znt-like transporter 2, SLC30A7, ZNT7, ZNTL2

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.

SLC30A7 Antibody (N-term) Blocking peptide - Protein Information**Name** SLC30A7 ([HGNC:19306](#))**Function**

Zinc ion transporter mediating zinc entry from the cytosol into the lumen of organelles along the secretory pathway (PubMed:15525635, PubMed:15994300). By contributing to zinc ion homeostasis within the early secretory pathway, regulates the activation and folding of enzymes like alkaline phosphatases (PubMed:15525635, PubMed:15994300).

Cellular Location

Golgi apparatus membrane; Multi-pass membrane protein. Cytoplasmic vesicle {ECO:0000250|UniProtKB:Q9JKN1} Golgi apparatus, trans-Golgi network {ECO:0000250|UniProtKB:Q9JKN1} Sarcoplasmic reticulum {ECO:0000250|UniProtKB:Q5BJM8}. Mitochondrion {ECO:0000250|UniProtKB:Q5BJM8}

SLC30A7 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SLC30A7 Antibody (N-term) Blocking peptide - Images

SLC30A7 Antibody (N-term) Blocking peptide - Background

Zinc functions as a cofactor for numerous enzymes, nuclear factors, and hormones and as an intra- and intercellular signal. Members of the zinc transporter (ZNT)/SLC30 subfamily of the cation diffusion facilitator family, such as SLC30A7, permit cellular efflux of zinc (Seve et al., 2004 [PubMed15154973]).

SLC30A7 Antibody (N-term) Blocking peptide - References

Wang, L., et al. Cancer Epidemiol. Biomarkers Prev. 17(12):3558-3566(2008) Zhang, L.H., et al. Brain Res. Bull. 77(1):55-60(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) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :