

**SLC30A6 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13600c****Specification**

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**SLC30A6 Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q6NXT4](#)**SLC30A6 Antibody (Center) Blocking peptide - Additional Information**

Gene ID 55676

**Other Names**

Zinc transporter 6, ZnT-6, Solute carrier family 30 member 6, SLC30A6, ZNT6

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13600c was selected from the Center region of SLC30A6. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**SLC30A6 Antibody (Center) Blocking peptide - Protein Information**Name SLC30A6 ([HGNC:19305](#))**Function**

Has probably no intrinsic transporter activity but together with SLC30A5 forms a functional zinc ion:proton antiporter heterodimer, mediating zinc entry into the lumen of organelles along the secretory pathway (PubMed: [15994300](http://www.uniprot.org/citations/15994300), PubMed: [19366695](http://www.uniprot.org/citations/19366695), PubMed: [19759014](http://www.uniprot.org/citations/19759014)). As part of that zinc ion:proton antiporter, contributes to zinc ion homeostasis within the early secretory pathway and regulates the activation and folding of enzymes like alkaline phosphatases and enzymes involved in phosphatidylinositol glycan anchor biosynthesis (PubMed: [15994300](http://www.uniprot.org/citations/15994300), PubMed: [19759014](http://www.uniprot.org/citations/19759014), PubMed: [35525268](http://www.uniprot.org/citations/35525268)).

**Cellular Location**

Golgi apparatus, trans-Golgi network membrane; Multi-pass membrane protein

**Tissue Location**

Expressed in brain; especially in cerebellum, hippocampus, parahippocampal gyrus, superior and middle temporal gyrus Also expressed in B-cells, colon, eye, and lung. Lower expression was present in bone, brain, cervix, ear, heart, kidney, muscle, nerve, pancreas, prostate, skin, stomach, and testis

**SLC30A6 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**SLC30A6 Antibody (Center) Blocking peptide - Images****SLC30A6 Antibody (Center) 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 SLC30A6, permit cellular efflux of zinc (Seve et al., 2004 [PubMed15154973]).

**SLC30A6 Antibody (Center) Blocking peptide - References**

Lyubartseva, G., et al. Brain Pathol. 20(2):343-350(2010) Fukunaka, A., et al. J. Biol. Chem. 284(45):30798-30806(2009) Olsen, J.V., et al. Cell 127(3):635-648(2006) Seve, M., et al. BMC Genomics 5 (1), 32 (2004) :Huang, L., et al. J. Biol. Chem. 277(29):26389-26395(2002)