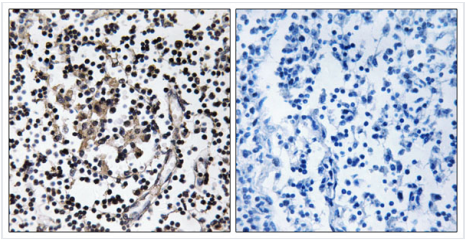
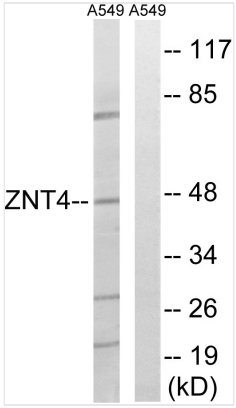
SLC30A4 Antibody

PRODUCT OVERVIEW

Product Name	SLC30A4, Antibody
Full Product Name	SLC30A4 Antibody
Product Gene Name	anti-SLC30A4 antibody
Product Synonym Names	solute carrier family 30 (zinc transporter); member 4; ZNT4
Species Reactivity	Human, Mouse, Rat
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	SLC30A4 antibody detects endogenous levels of total SLC30A4 protein.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	47,483 Da
OMIM	602095
3D Structure	ModBase 3D Structure for O14863
Immunogen	The antiserum was produced against synthesized peptide derived from internal of human SLC30A4.
Product Categories/Family for anti-SLC30A4 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLC30A4 antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-SLC30A4 antibody	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:5000
Related Product Information for anti-SLC30A4 antibody	MBS856395 is an antibody targeting SLC30A4. Also known as SLC30A4 Antibody. Reactive in Human, Mouse, Rat.
Product References and Citations for anti-SLC30A4 antibody	Huang L., Nat. Genet. 17:292-297(1997). Ota T., Nat. Genet. 36:40-45(2004). Mural R.J., Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Other Notes	Small volumes of anti-SLC30A4 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.



Testing Data of anti-SLC30A4 antibody
Peptide-+



Immunohistochemistry (IHC) of anti-SLC30A4 antibody
Immunohistochemistry analysis of paraffin-embedded human lymph node tissue using SLC30A4 antibody. Western blot analysis of extracts from A549 cells, using SLC30A4 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC30A4. It may not necessarily be applicable to this product.

NCBI GI #	21359890
NCBI GeneID	7782
NCBI Accession #	NP_037441.2
UniProt Primary Accession #	O14863
UniProt Secondary Accession #	Q8TC39
UniProt Related Accession #	O14863
GenBank Nucleotide #	NM_013309.5
NCBI Official Full Name	zinc transporter 4 isoform 1
NCBI Official Synonym Full Names	solute carrier family 30 member 4
NCBI Official Symbol	SLC30A4
NCBI Official Synonym Symbols	ZNT4; znT-4
UniProt Protein Name	Zinc transporter 4
UniProt Synonym Protein Names	Solute carrier family 30 member 4
Protein Family	Zinc transporter
UniProt Gene Name	SLC30A4
UniProt Synonym Gene Names	ZNT4; ZnT-4
NCBI Protein Information	zinc transporter 4
NCBI Summary for SLC30A4	Zinc is the second most abundant trace metal in the human body. It is an essential element, serving both a structural role, as in the formation of zinc fingers in DNA-binding proteins, and a catalytic role in metalloenzymes, such as pancreatic carboxypeptidases (e.g., MIM 114852), alkaline phosphatases (e.g., MIM 171760), various dehydrogenases, and superoxide dismutases (e.g., MIM 147450). SLC30A4, or ZNT4, belongs to the ZNT family of zinc transporters. ZNTs are involved in transporting zinc out of the cytoplasm and have similar structures, consisting of 6 transmembrane domains and a histidine-rich cytoplasmic loop (Huang and Gitschier, 1997 [PubMed 9354792]).[supplied by OMIM, Mar 2008]
UniProt Comments for SLC30A4	Probably involved in zinc transport out of the cytoplasm, maybe by sequestration into an intracellular compartment.

Research Articles on SLC30A4	**1.** There was a significant increase in protein levels of ZnT4 in the prefrontal cortex in Major depression disorder, relative to control subjects.
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