

Rabbit anti-Human SLC30A8 Polyclonal Antibody | anti-SLC30A8 antibody

SLC30A8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327635	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

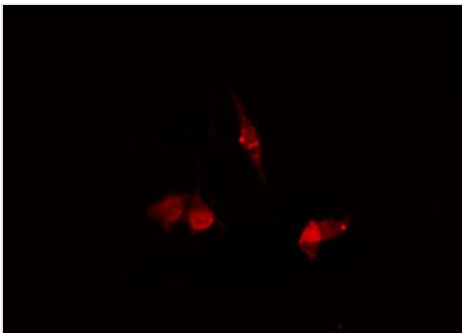
PRODUCT SYNONYMS

SLC30A8; Polyclonal Antibody; SLC30A8 Antibody; solute carrier family 30 (zinc transporter); member 8; Solute carrier family 30 member 8; Zinc transporter 8; zinc transporter ZnT-8; ZnT-8; ZNT8; ZNT8_HUMAN; anti-SLC30A8 antibody

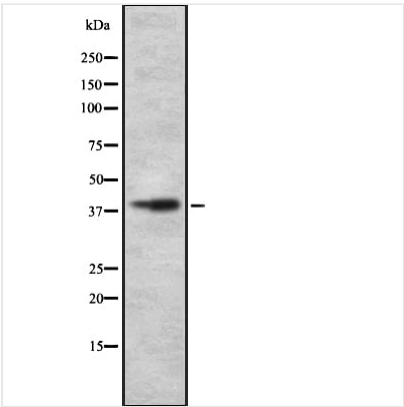
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC30A8 antibody detects endogenous levels of total SLC30A8
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	320
Applicable Applications for anti-SLC30A8 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SLC30A8
Subcellular Location	Cell Membrane. Cytoplasmic Vesicle, Secretory Vesicle Membrane. Associated with insulin and glucagon secretory granules.
Tissue Specificity	In the endocrine pancreas, expressed in insulin-producing beta cells. Expressed at relatively high levels in subcutaneous fat tissue from lean persons; much lower levels in visceral fat, whether from lean or obese individuals, and in subcutaneous fat tissue from obese individuals. Expressed in peripheral blood mononuclear cells, including T-cells and B-cells, with great variation among individuals ranging from negative to strongly positive.
Predicted Cross Reactivity	Rabbit, Dog
Similarity	Rabbit (89%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA327635 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis SLC30A8 using MCF7 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-SLC30A8 antibody	Function: Facilitates the accumulation of zinc from the cytoplasm into intracellular vesicles, being a zinc-efflux transporter. May be a major component for providing zinc to insulin maturation and/or storage processes in insulin-secreting pancreatic beta-cells. Subunit Structure: Homodimer. Similarity: Contains a histidine-rich region, HXXXXXHNH-motif, which is a ligand for zinc. Belongs to the cation diffusion facilitator (CDF) transporter (TC 2.A.4) family. SLC30A subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	289803003
NCBI GeneID	169026
NCBI Accession #	NP_001166282.1
NCBI GenBank Nucleotide #	NM_001172811.1
UniProt Accession #	Q8IWU4; Q8TCL3; A0AVP9; A5YM39; B4DPE0
Molecular Weight	Observed: 40 kDa Predicted: 41 kDa
NCBI Official Full Name	zinc transporter 8 isoform b
NCBI Official Synonym Full Names	solute carrier family 30 member 8
NCBI Official Symbol	SLC30A8
NCBI Official Synonym Symbols	ZNT8; ZnT-8
NCBI Protein Information	zinc transporter 8
UniProt Protein Name	Zinc transporter 8
UniProt Gene Name	SLC30A8
UniProt Synonym Gene Names	ZNT8; ZnT-8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.