

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

SLC30A8 Antibody

CATALOG # AAA40864	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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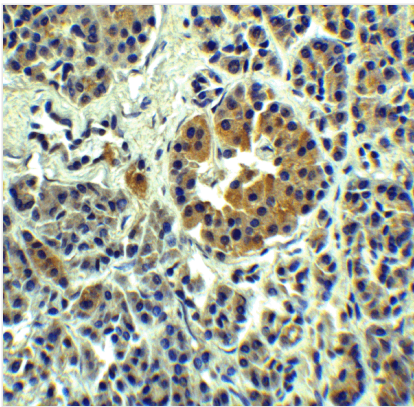
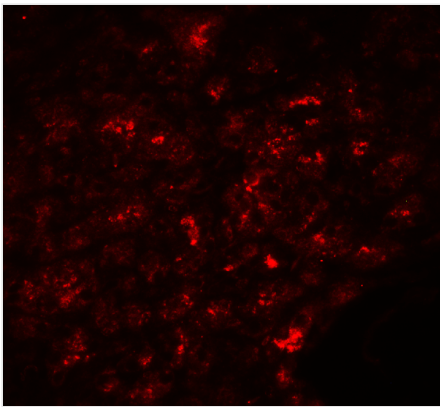
PRODUCT SYNONYMS

SLC30A8; Polyclonal Antibody; SLC30A8 Antibody; Solute carrier family 30 member 8; zinc transporter 8; ZNT8; Zn-T8; anti-SLC30A8 antibody

PRODUCT SPECIFICATIONS

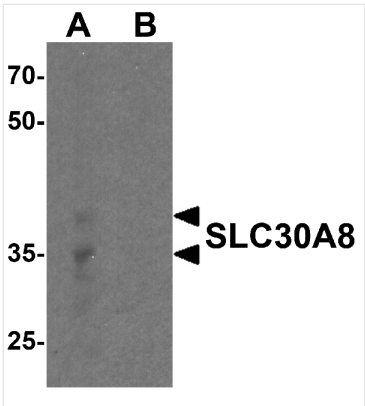
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Two isoforms of SLC30A8 are known to exist; this antibody will detect both isoforms. This SLC30A8 antibody is predicted to not cross-react with other members of the SLC30 protein family.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	369
Applicable Applications for anti-SLC30A8 antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	SLC30A8 antibody was raised against a peptide corresponding to 14 amino acids near the amino terminus of human SLC30A8.
Buffer	SLC30A8 Antibody is supplied in PBS containing 0.02% sodium azide.
Species	Human
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of SLC30A8 in human pancreas tissue with SLC30A8 Antibody at 20 μg/mL.

IHC (Immunohistochemistry)
Immunohistochemistry of SLC30A8 in human pancreas tissue with SLC30A8 Antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of SLC30A8 in human pancreas tissue lysate with SLC30A8 antibody at 1 μg/ml in (A) the absence and (B) the presence of blocking peptide

ADDITIONAL INFORMATION

Related Product Information for anti-SLC30A8 antibody	SLC30A8 Antibody: SLC30A8 is a zinc efflux transporter involved in the accumulation of zinc in intracellular vesicles and is expressed at a high level in the pancreas, particularly in islets of Langerhans, and co-localizes with insulin in the secretory pathway granules of the insulin-secreting INS-1 cells (1). Allelic variants of SLC30A8 have been identified as major genetic risk factors for the development of Type 2 diabetes (2), but no genetic association has been found with Type 1 diabetes (3). SLC30A8 expression in β -cells was found to be influenced by cytokine expression, particularly IFN-gamma and IL-1beta (4).
Product Categories/Family for anti-SLC30A8 antibody	Homeostasis
References	1. Chimienti F, Devergnas S, Favier A, et al. Identification and cloning of a beta-cell-specific zinc transporter, ZnT-8, localized into insulin secretory granules. Diabetes 2004; 53:2330-7. 2. Sladek R, Rocheleau G, Rung J, et al. A genome-wide association study identifies novel risk loci for type 2 diabetes. Science 2007; 445:881-5. 3. Qu HQ, Grant SF, Bradfield JP, et al. Association analysis of type 2 diabetes Loci in type 1 diabetes. Diabetes 2008; 57:1983-6. 4. Egefjord L, Jensen JL, Bang-Berthelsen CH, et al. Zinc transporter gene expression is regulated by pro-inflammatory cytokines: a potential role for zinc transporters in beta-cell apoptosis? BMC Endocrine Disorders 2009; 9:7.

NCBI AND UNIPROT INFORMATION

NCBI GI #	64762489
NCBI GeneID	169026

NCBI Accession #	NP_776250
NCBI GenBank Nucleotide #	NM_173851.2
UniProt Accession #	Q8IWU4 ; Q8TCL3 ; A0AVP9 ; A5YM39 ; B4DPE0
Molecular Weight	Predicted: 35, 41 kDa Observed: 35, 41 kDa
NCBI Official Full Name	zinc transporter 8 isoform a
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc30a8-antibody-western-blot-elisa/40864>