



Rabbit Anti-Human SLC30A8 Polyclonal Antibody (CABT-L2081)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Solute Carrier Family 30 Member 8 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against SLC30A8. It has been selected for its ability to recognize SLC30A8 in immunohistochemical staining and western blotting.
Target	SLC30A8
Immunogen	Recombinant fragment corresponding to human SLC30A8 (Thr263~Asp369)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	The protein encoded by this gene is a zinc efflux transporter involved in the accumulation of zinc in intracellular vesicles. This gene is expressed at a high level only in the pancreas, particularly in islets of Langerhans. The encoded protein colocalizes with insulin in the secretory pathway granules of the insulin-secreting INS-1 cells. Allelic variants of this gene exist that confer susceptibility to diabetes mellitus, noninsulin-dependent (NIDDM). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2010]
Keywords	ZNT8;Zinc Transporter 8

GENE INFORMATION

Gene Name	SLC30A8 solute carrier family 30 (zinc transporter), member 8 [Homo sapiens (human)]
Official Symbol	SLC30A8
Synonyms	SLC30A8; solute carrier family 30 (zinc transporter), member 8; ZNT8; ZnT-8; zinc transporter 8; zinc transporter ZnT-8;
Entrez Gene ID	169026
Protein Refseq	NP_001166282
UniProt ID	Q8IWU4
Chromosome Location	8q24.11
Pathway	Insulin processing; Metabolism of proteins; Metal ion SLC transporters; Peptide hormone metabolism; SLC-mediated transmembrane transport; Transmembrane transport of small molecules; Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds; Zinc efflux and compartmentalization by the SLC30 family;
Function	protein homodimerization activity; zinc ion binding; zinc ion transmembrane transporter activity;