

<b>Cat. No:</b>	ABN20301
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100µL
<b>Clone:</b>	Polyclonal
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	The antiserum was produced against synthesized peptide derived from human SLC30A8. AA range:171-220
<b>Reactivity:</b>	Human,Rat,Mouse
<b>Applications:</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000
<b>Molecular Weight:</b>	41kDa
<b>Purification:</b>	Affinity purification
<b>Synonyms:</b>	SLC30A8; ZNT8; Zinc transporter 8; ZnT-8; Solute carrier family 30 member 8
<b>Background:</b>	<p>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],domain:Contains a histidine-rich region, HXXXXXHNH-motif, which is a ligand for zinc.,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.,polymorphism:Variant Trp-325 is a risk factor that confers susceptibility to diabetes mellitus, noninsulin-dependent (NIDDM) [MIM:125853].,similarity:Belongs to the cation diffusion facilitator (CDF) transporter (TC 2.A.4) family. SLC30A subfamily.,subcellular location:Strictly associated with the insulin granule secretory.,tissue specificity:Strictly restricted to the pancreas islets cells. Found in insulin-producing beta cells and colocalized with insulin.,</p>
<b>Form:</b>	Liquid
<b>Buffer:</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Storage:</b>	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

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