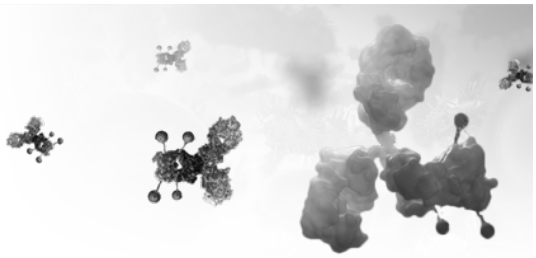

Rabbit anti-Human SLC30A8 (N-term) polyclonal antibody (DPABB-JX52P)

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

PRODUCT INFORMATION

Immunogen	KLH-conjugated synthetic peptide (N-term region of human Slc30A8)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	Protein A affinity purified
Conjugate	Unconjugated
Applications	ELISA: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500; IF: 1:50-1:200 Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Purified, Liquid
Concentration	1mg/ml
Size	100 µg
Buffer	PBS pH7.4, 25% glycerol, 1 mg/ml BSA with 0.09% sodium azide.
Preservative	0.09% sodium azide
Storage	Store at -20°C. Avoid multiple freeze-thaw cycles.
Ship	Wet ice

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

BACKGROUND

Introduction	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. Allelic variants of Slc30A8 have been identified as major genetic risk factors for the development of Type 2 diabetes, but no genetic association has been found with Type 1 diabetes. Slc30A8 expression in b-cells was found to be influenced by cytokine expression, particularly IFN-gamma and IL-1 beta.
Keywords	SLC30A8; solute carrier family 30 (zinc transporter), member 8; zinc transporter 8; zinc transporter ZnT-8; ZNT8; ZnT-8;

GENE INFORMATION

Official Symbol	SLC30A8
Synonyms	SLC30A8; solute carrier family 30 (zinc transporter), member 8; zinc transporter 8; zinc transporter ZnT-8; ZNT8; ZnT-8;
Entrez Gene ID	169026
Protein Refseq	NP_776250
UniProt ID	Q8IWU4
Pathway	Metal ion SLC transporters, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds, organism-specific biosystem; Zinc efflux and compartmentalization by the SLC30 family, organism-specific biosystem; Zinc transporters, organism-specific biosystem;
Function	cation transmembrane transporter activity; protein homodimerization activity; zinc ion binding; zinc ion transmembrane transporter activity;

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