

Anti-Zinc transporter 8 SLC30A8 Antibody

Catalog Number: A01310

About SLC30A8

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).

Overview

Product Name	Anti-Zinc transporter 8 SLC30A8 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Zinc transporter 8 SLC30A8 Antibody (Catalog # A01310). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal Clone: SK7
Formulation	SLC30A8 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	SLC30A8 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q8IWU4

Technical Details

Immunogen	SLC30A8 antibody was raised against a peptide corresponding to 14 amino acids near the amino terminus of human SLC30A8.
Predicted Reactive Species	Rat
Cross Reactivity	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.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	SLC30A8 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

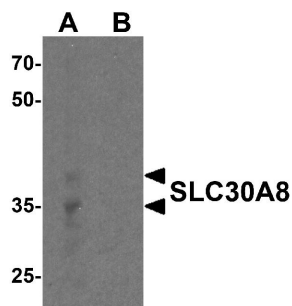
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

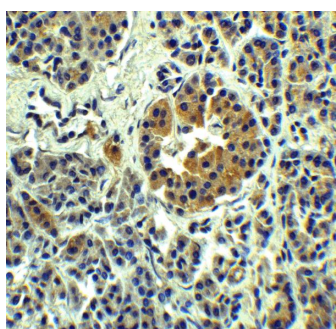
SLC30A8 antibody can be used for Western blot at 1 - 2 ug/mL. Antibody can also be used for Immunohistochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

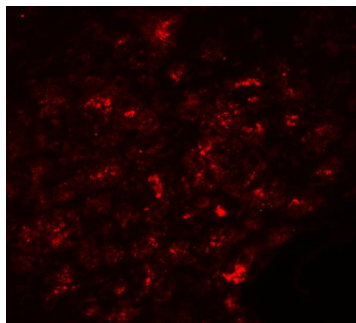
Anti-Zinc transporter 8 SLC30A8 Antibody (A01310) Images



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



Immunohistochemistry of SLC30A8 in human pancreas tissue with SLC30A8 Antibody at 5 ug/mL.



Immunofluorescence of SLC30A8 in human pancreas tissue with SLC30A8 Antibody at 20 ug/mL.

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