



# ZnT-8 rabbit pAb

Cat No.:ES4993

For research use only

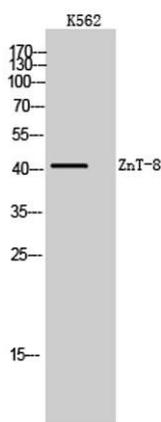
## Overview

<b>Product Name</b>	ZnT-8 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SLC30A8. AA range:171-220
<b>Specificity</b>	ZnT-8 Polyclonal Antibody detects endogenous levels of ZnT-8 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Zinc transporter 8
<b>Gene Name</b>	SLC30A8
<b>Cellular localization</b>	Cell membrane ; Multi-pass membrane protein . Cytoplasmic vesicle, secretory vesicle membrane ; Multi-pass membrane protein . Associated with insulin and glucagon secretory granules. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	41kD
<b>Human Gene ID</b>	169026
<b>Human Swiss-Prot Number</b>	Q8IWU4
<b>Alternative Names</b>	SLC30A8; ZNT8; Zinc transporter 8; ZnT-8; Solute carrier family 30 member 8
<b>Background</b>	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

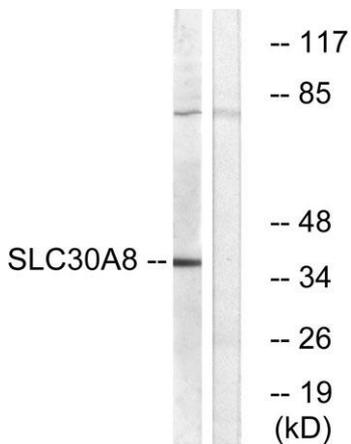




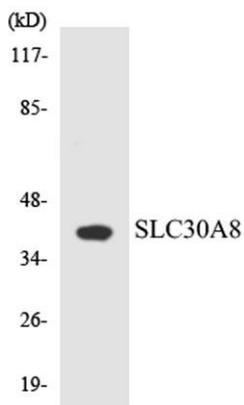
level only in the pancreas, particularly in islets of Langerhans. The encoded protein colocalizes with insulin in the secretory pathway granules of the insulin-secreting INS-1 cells. Allelic variants of this gene exist that confer susceptibility to diabetes mellitus, noninsulin-dependent (NIDDM). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2010],



Western Blot analysis of K562 cells using ZnT-8 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from K562 cells, using SLC30A8 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using SLC30A8 antibody.





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