

产品名称: ZnT-8 Rabbit Polyclonal Antibody
产品货号: APRab20301



产品概述 (Summary)

产品名称 (Production Name)	ZnT-8 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SLC30A8
别名 (Alternative Names)	SLC30A8; ZNT8; Zinc transporter 8; ZnT-8; Solute carrier family 30 member 8
基因 ID (Gene ID)	169026.0
蛋白 ID (SwissProt ID)	Q8IWU4.The antiserum was produced against synthesized peptide derived from human SLC30A8. AA range:171-220

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	41kDa

研究背景 (Background)

产品名称: ZnT-8 Rabbit Polyclonal Antibody
产品货号: APRab20301

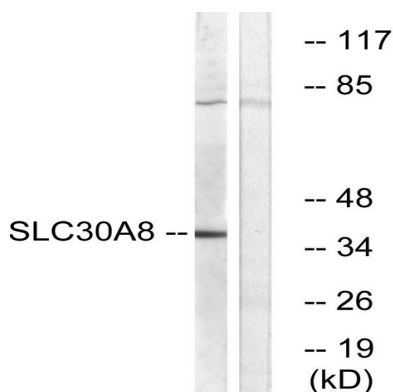


The protein encoded by this gene is a zinc efflux transporter involved in the accumulation of zinc in intracellular vesicles. This gene is expressed at a high level only in the pancreas, particularly in islets of Langerhans. The encoded protein colocalizes with insulin in the secretory pathway granules 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.,

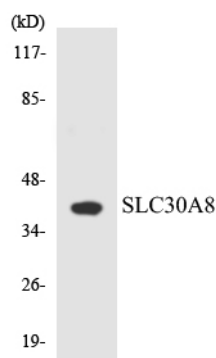
研究领域 (Research Area)

Signal Transduction; Metabolism; Vitamins / Minerals

图片 (Image Data)



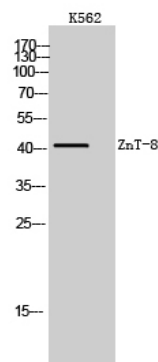
Western blot analysis of lysates from K562 cells, using SLC30A8 Antibody. The lane on the right is blocked with the synthesized peptide.



产品名称: ZnT-8 Rabbit Polyclonal Antibody
产品货号: APRab20301



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



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

注意事项 (Note)

For research use only .