

溶质载体转运蛋白家族 30 成员 5 抗体

产品货号： mlR21254

英文名称： SLC30A5

中文名称： 溶质载体转运蛋白家族 30 成员 5 抗体

别 名： DKFZp686F23142; FLJ12496; FLJ12756; hZTL1; MGC5499; Putative uncharacterized protein DKFZp686F23142; Slc30a5; Solute carrier family 30 (zinc transporter) member 5; Solute carrier family 30 (Zinc transporter), member 5 isoform CRA a; Solute carrier family 30 member 5; Zinc transporter 5; Zinc transporter ZnT 5; Zinc transporter ZTL1; ZNT 5; ZnT-5; ZnT-like transporter 1; ZNT5; ZNT5_HUMAN; ZNTL 1; ZNTL1; ZTL 1; ZTL1.

研究领域： 肿瘤 细胞生物 信号转导 转运蛋白 新陈代谢

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Pig, Cow, Rabbit, Sheep,



产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 84kDa

细胞定位： 细胞浆

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human SLC30A5:611-710/765 <Cytoplasmic>

亚型： IgG

纯化方法： affinity purified by Protein A

储存液： Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 background:

This gene encodes a member of the SLC30A/ZnT family of zinc transporter proteins. ZnT proteins mediate both cellular zinc efflux and zinc sequestration into membrane-bound organelles. The encoded protein plays a role in the early secretory pathway as a heterodimer with zinc transporter 6, and may also regulate zinc sequestration into secretory granules of pancreatic beta cells. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 19. [provided by RefSeq, Oct 2011]

Function:

Functions as a zinc transporter. May be a transporter of zinc into beta cells in order to form insulin crystals. Partly regulates cellular zinc homeostasis. Required with ZNT7 for the activation of zinc-requiring enzymes, alkaline phosphatases (ALPs). Transports zinc into the lumens of the Golgi apparatus and vesicular compartments where ALPs locate, thus, converting apoALPs to holoALPs. Required with ZNT6 and ZNT7 for the activation of TNAP.

Subunit:

Heterooligomer. Interacts with ZNT6.

Subcellular Location:

Golgi apparatus > trans-Golgi network membrane. Perimeter of granules, localizes to the brush border membrane of the enterocyte. Concentrated in early compartments of the secretory pathway such as COPII-coated vesicles.

Tissue Specificity:

Ubiquitously expressed. Highly expressed in pancreas, liver and kidney. Expressed abundantly in insulin-containing beta cells, undetectable in other endocrine cell types including glucagon-secreting alpha cells and most acinar cells.

Similarity:

Belongs to the cation diffusion facilitator (CDF) transporter (TC 2.A.4) family. SLC30A subfamily.

SWISS:

Q8TAD4

Gene ID:

64924

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片

