



Rabbit Anti-SLC39A14 antibody

SL19829R

Product Name:	SLC39A14
Chinese Name:	溶质载体家族蛋白39成员A14抗体
Alias:	Cig19; KIAA0062; LIV-1 subfamily of ZIP zinc transporter 4; LZT-Hs4; NET34; S39AE_HUMAN; SLC39A14; Solute carrier family 39 (zinc transporter), member 14; Solute carrier family 39 member 14; Zinc transporter ZIP14; ZIP-14; ZIP14; Zrt Irt like protein 14; Zrt- and Irt-like protein 14.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Chimpanzee,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	51kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SLC39A14:51-150/492
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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
Product Detail:	Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A14 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson,

2003 [PubMed 12659941]).[supplied by OMIM, Mar 2008]

Function:

May be able to transport iron (By similarity). Acts as a zinc-influx transporter.

Subunit:

Homotrimer.

Subcellular Location:

Cell membrane. Cell projection > lamellipodium. Localized to the plasma membrane and also found colocalized with F-actin concentrated on lamellipodiae.

Tissue Specificity:

Ubiquitously expressed, with increased expression in liver, pancreas, fetal liver, thyroid gland, left and right ventricle, right atrium and fetal heart. Weakly expressed in spleen, thymus, and peripheral blood leukocytes.

Similarity:

Belongs to the ZIP transporter (TC 2.A.5) family.

SWISS:

Q15043

Gene ID:

23516

Database links:

[Entrez Gene: 464044](#) Chimpanzee

[Entrez Gene: 23516](#) Human

[Entrez Gene: 100387296](#) Marmoset (common)

[Entrez Gene: 213053](#) Mouse

[Entrez Gene: 100172692](#) Orangutan

[Omim: 608736](#) Human

[SwissProt: Q15043](#) Human

[SwissProt: Q75N73](#) Mouse

[SwissProt: Q5RAB7](#) Orangutan

[Unigene: 491232](#) Human

[Unigene: 270647](#) Mouse

Important Note:

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

www.sunlongbiotech.com