



Rabbit Anti-SLC39A5 antibody

SL19833R

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| Product Name: | SLC39A5 |
| Chinese Name: | 溶质载体家族蛋白39成员A5抗体 |
| Alias: | LZT Hs7; MGC34778; OTTHUMP00000211153; OTTHUMP00000211154; S39A5_HUMAN; SLC39A5; solute carrier family 39 (metal ion transporter), member 5; Solute carrier family 39 member 5; Zinc transporter ZIP5 [Precursor]; Zinc transporter ZIP5; ZIP 5; ZIP-5; ZIP5; Zrt and Irt like protein 5; Zrt- and Irt-like protein 5. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Guinea Pig,Cat, |
| 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: | 57kDa |
| Cellular localization: | The cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human SLC39A5:21-100/540 |
| 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: | The protein encoded by this gene belongs to the ZIP family of zinc transporters that transport zinc into cells from outside, and play a crucial role in controlling intracellular zinc levels. Zinc is an essential cofactor for many enzymes and proteins involved in |

gene transcription, growth, development and differentiation. Mutations in this gene have been associated with autosomal dominant high myopia (MYP24). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2014]

Function:

May play a role in polarized cells by carrying out serosal-to-mucosal zinc transport. Seems to play a central role in controlling organismal zinc status.

Subcellular Location:

Basolateral cell membrane.

Tissue Specificity:

Expressed in liver, kidney, pancreas, small intestine, colon, spleen, fetal liver and fetal kidney.

Post-translational modifications:

Glycosylated.

Similarity:

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

SWISS:

Q6ZMH5

Gene ID:

283375

Database links:

[Entrez Gene: 283375](#) Human

[Entrez Gene: 72002](#) Mouse

[Entrez Gene: 362812](#) Rat

[GenBank: NM_173596](#) Human

[Omid: 608730](#) Human

[SwissProt: Q6ZMH5](#) Human

[SwissProt: Q9D856](#) Mouse

[Unigene: 591018](#) Human

[Unigene: 22983](#) Mouse

Important Note:

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

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