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Rabbit Anti-SLC39A4 antibody

SL19832R

Product Name:	SLC39A4
Chinese Name:	溶质载体家族蛋白39成员A4抗体
Alias:	1600025H15Rik; Acrodermatitis enteropathica zinc deficiency type; Activated in W/Wv mouse stomach 2; AEZ; AU041686; AWMS2; FLJ20327; MGC156705; MGC74741; S39A4_HUMAN; Slc39a4; Solute carrier family 39 member 4; Ssolute carrier family 39 zinc transporter member 4; Zinc transporter ZIP4; ZIP-4; ZIP4; Zrt and Irt like protein 4; Zrt- and Irt-like protein 4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Rat,
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:	66kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SLC39A4:281-380/647
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:	This gene encodes a member of the zinc/iron-regulated transporter-like protein (ZIP) family. The encoded protein localizes to cell membranes and is required for zinc uptake in the intestine. Mutations in this gene result in acrodermatitis enteropathica. Multiple

transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2013]

Function:
Plays an important role in cellular zinc homeostasis as a zinc transporter. Regulated in response to zinc availability.

Subcellular Location:
Cell membrane. Recycling endosome membrane. Colocalized with TFRC in the recycling endosomes. Cycles between endosomal compartments and the plasma membrane in response to zinc availability.

Tissue Specificity:
Highly expressed in kidney, small intestine, stomach, colon, jejunum and duodenum.

DISEASE:
Acrodermatitis enteropathica, zinc-deficiency type (AEZ)

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

SWISS:
Q6P5W5

Gene ID:
55630

Database links:

Entrez Gene: 55630 Human

Entrez Gene: 72027 Mouse

Omim: 607059 Human

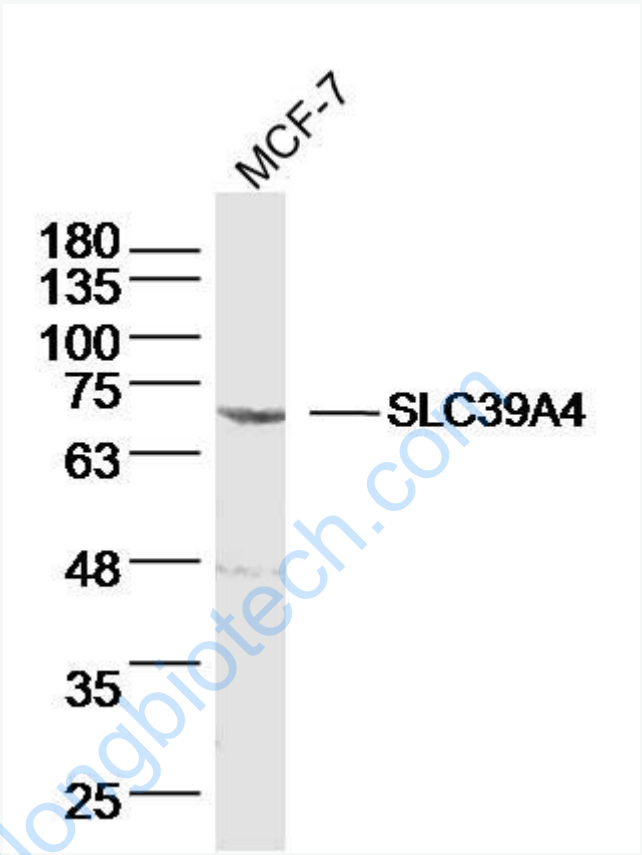
SwissProt: Q6P5W5 Human

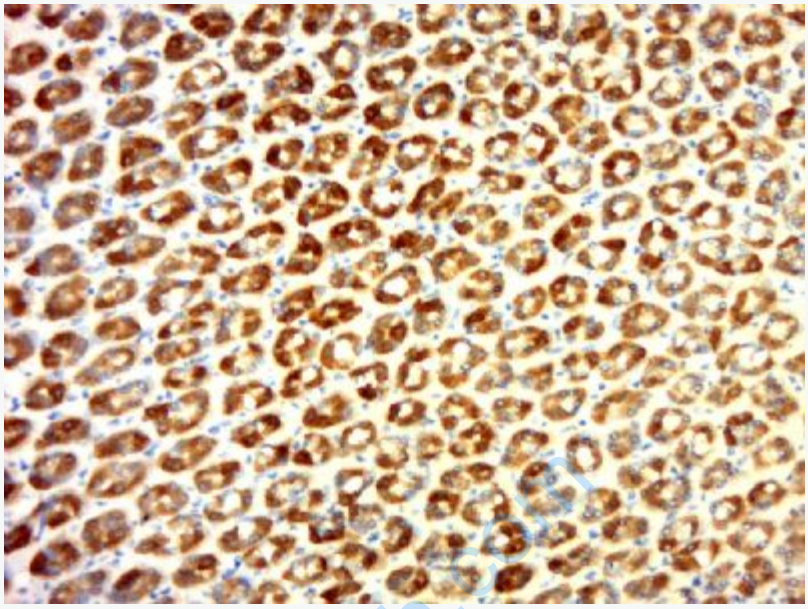
SwissProt: Q78IQ7 Mouse

Unigene: 521934 Human

Unigene: 276829 Mouse

Important Note:
This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
Picture:	 Sample: MCF-7 (human)Cell Lysate at 40 ug Primary: Anti- SLC39A4 (SL19832R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size:66kD Observed band size: 71 kD



Paraformaldehyde-fixed, paraffin embedded (Rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SLC39A4) Polyclonal Antibody, Unconjugated (SL19832R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.