

Rabbit anti-Human SLC39A4 Polyclonal Antibody | anti-SLC39A4 antibody

SLC39A4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325280	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

SLC39A4; Polyclonal Antibody; SLC39A4 Antibody; 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; anti-SLC39A4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC39A4 antibody detects endogenous levels of total SLC39A4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	622
Applicable Applications for anti-SLC39A4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
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.
Predicted Cross Reactivity	Pig, Bovine, Horse, Dog
Similarity	Pig (80%), Bovine (80%), Horse (83%), Dog (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from COLO205 cells using SLC39A4 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA325280 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC39A4 antibody	Function: Plays an important role in cellular zinc homeostasis as a zinc transporter. Regulated in response to zinc availability (By similarity). Similarity: Belongs to the ZIP transporter (TC 2.A.5) family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115430259
NCBI GeneID	55630
NCBI Accession #	NP_060237.2
NCBI GenBank Nucleotide #	NM_017767.2
UniProt Accession #	Q6P5W5; Q7L5S5; Q9H6T8; Q9NXC4
Molecular Weight	Observed: 68 kD Predicted: 69 kDa
NCBI Official Full Name	zinc transporter ZIP4 isoform 1
NCBI Official Synonym Full Names	solute carrier family 39 member 4
NCBI Official Symbol	SLC39A4
NCBI Official Synonym Symbols	AEZ; ZIP4; AWMS2
NCBI Protein Information	zinc transporter ZIP4
UniProt Protein Name	Zinc transporter ZIP4
UniProt Gene Name	SLC39A4
UniProt Synonym Gene Names	ZIP4; ZIP-4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc39a4-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325280>