

Rabbit ZIP14 Polyclonal Antibody | anti-Slc39a14 antibody

ZIP14 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40410	Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot, Immunohistochemistry, ELISA

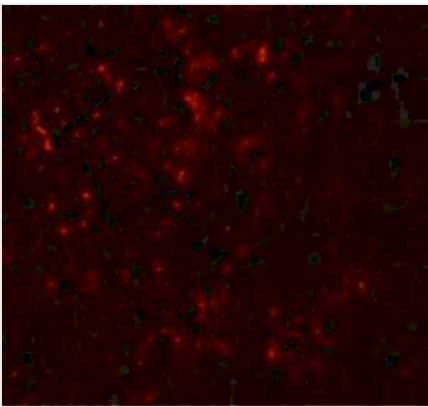
PRODUCT SYNONYMS

ZIP14; Polyclonal Antibody; ZIP14 Antibody; NET34; cig19; LZT-Hs4; KIAA0062; Zinc transporter ZIP14; LIV-1 subfamily of ZIP zinc transporter 4; solute carrier family 39 (zinc transporter); member 14; anti-Slc39a14 antibody

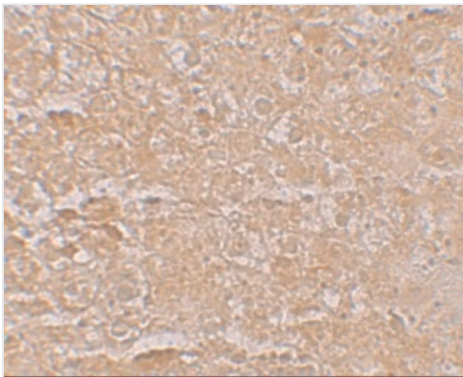
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three isoforms of ZIP14 are known to exist; this antibody will detect both isoforms. ZIP14 antibody is predicted to not cross-react with other ZIP family members.
Purity/Purification	ZIP14 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid; ZIP14 Antibody is supplied in PBS containing 0.02% sodium azide
Concentration	1 mg/mL (varies by lot)
Sequence Length	492
Applicable Applications for anti-Slc39a14 antibody	IF (Immunofluorescence), WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	ZIP14 antibody was raised against a 16 amino acid synthetic peptide near the center of human ZIP14. Immunogen is located withing amino acids 230-280 of ZIP14
Positive Control	Spleen Tissue Lysate.
Homology	Predicted species reactivity bases on immunogen sequence: Bovine: (94%).
Preparation and Storage	ZIP14 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

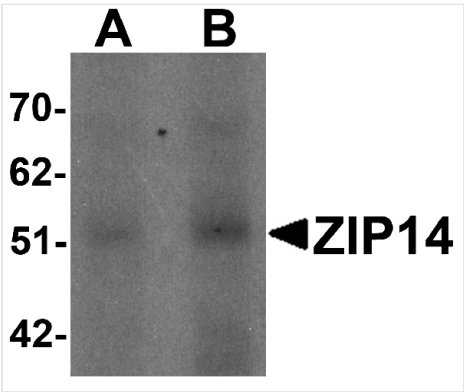
IMAGES



IF (Immunofluorescence)
Immunofluorescence of ZIP14 in Mouse Liver tissue with ZIP14 antibody at 20 μg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of ZIP14 in mouse liver tissue with ZIP14 antibody at 2.5 μg/mL.



WB (Western Blot)
Western blot analysis of ZIP14 in human spleen tissue lysate with ZIP14 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-Slc39a14 antibody	ZIP14 Antibody: The zinc transporter ZIP14, also known as SLC39A14, is a member of a family of divalent ion transporters. Zinc is an essential ion for cells and plays significant roles in the growth, development, and differentiation. The zinc transporter family is divided into four subfamilies (I, II, LIV-1 and gufA). ZIP14 is a glycosylated multipass plasma membrane protein that belongs to the ZIP transporter subfamily LIV-1. ZIP14 has been shown to contribute to the hypozincemia of inflammation and infection and is regulated in the liver by IL-6. In addition to zinc, ZIP14 is also involved in the cellular uptake of non-transferrin-bound iron as well as iron bound to transferrin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	205830424
NCBI GeneID	23516
NCBI Accession #	NP_001128625
NCBI GenBank Nucleotide #	NM_001135153.1
UniProt Accession #	Q15043; Q6ZME8; Q96BB3; A6NH98; B4DIW3; B6EU88; D3DSR4
Molecular Weight	Predicted MW: 54kDa Observed MW: 52kDa
NCBI Official Full Name	zinc transporter ZIP14 isoform a
NCBI Official Synonym Full Names	solute carrier family 39 (zinc transporter), member 14

NCBI Official Symbol	SLC39A14
NCBI Official Synonym Symbols	NET34; ZIP14; cig19; LZT-Hs4
NCBI Protein Information	zinc transporter ZIP14; ZIP-14; Zrt-, Irt-like protein 14; zrt- and Irt-like protein 14; solute carrier family 39 member 14; LIV-1 subfamily of ZIP zinc transporter 4; solute carrier family 39 (metal ion transporter), member 14
UniProt Protein Name	Zinc transporter ZIP14
UniProt Gene Name	SLC39A14
UniProt Synonym Gene Names	KIAA0062; ZIP14; LZT-Hs4; ZIP-14
UniProt Entry Name	S39AE_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/zip14-antibody-immunofluorescence-western-blot-immunohistochemistry-elisa/40410>