

Rabbit anti-Human, Mouse ZIP1 Polyclonal Antibody | anti-SLC39A1 antibody

ZIP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39295	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

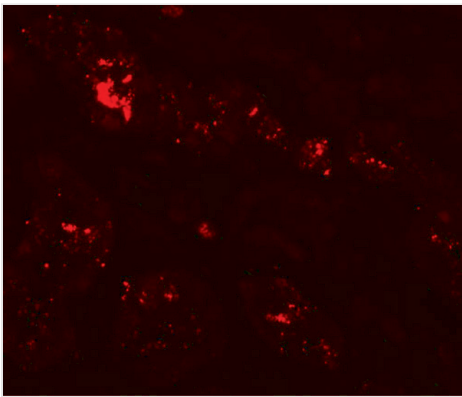
PRODUCT SYNONYMS

ZIP1; Polyclonal Antibody; ZIP1 Antibody; ZIP1 Antibody: ZIP1; ZIRTL; IRT1; CGI-08; CGI-71; Zinc transporter ZIP1; Solute carrier family 39 member 1; ZIP-1; anti-SLC39A1 antibody

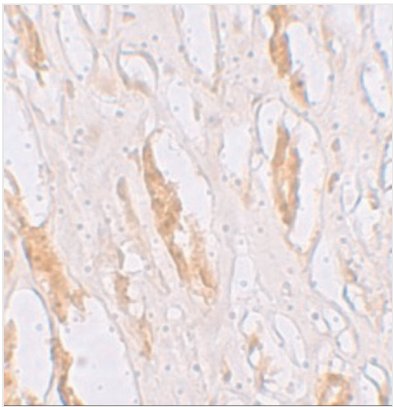
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	At least two isoforms of ZIP1 are known to exist; this antibody will detect both isoforms. ZIP1 antibody is predicted not to cross-react with other ZIP family proteins.
Purity/Purification	ZIP1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid; ZIP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Applicable Applications for anti-SLC39A1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Homology	Predicted species reactivity based on immunogen sequence: Bovine: (88%)
Immunogen	ZIP1 antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of human ZIP1. The immunogen is located within amino acids 40 - 90 of ZIP1.
Positive Control	1) - Mouse Kidney Tissue Lysate 2) - Human Kidney Tissue Slide
Preparation and Storage	ZIP1 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.

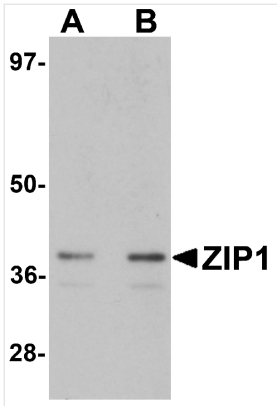
IMAGES



IF (Immunofluorescence)
Immunofluorescence of ZIP1 in human kidney tissue with ZIP1 antibody at 20 µg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of ZIP1 in human kidney tissue with ZIP1 antibody at 2.5 µg/mL.



WB (Western Blot)
Western blot analysis of ZIP1 in mouse kidney tissue lysate with ZIP1 antibody at (A) 1 and (B) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC39A1 antibody	ZIP1 Antibody: ZIP1, also known as ZIRTL (zinc-iron regulated transporter-like), is the first mammalian 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. ZIP1 expression is markedly downregulated in a number of cancerous tissues and is thought to function as a tumor suppressor gene in prostate cancer. More recent studies have shown that overexpression of ZIP1 and concomitant increased levels of intracellular zinc in PC-3 cells cause a significant inhibition of NF- κ B, leading to down-regulation of the antiapoptotic protein Bcl-2, Bcl-XL, and the apoptosis inhibitor XIAP, reducing the malignant potential of prostate cancer cells in vitro and in vivo.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21361423
NCBI GeneID	27173
NCBI Accession #	NP_055252
NCBI GenBank Nucleotide #	NM_014437.4
UniProt Accession #	Q9NY26; Q5T4K1; Q8N2H7; Q9BTV0; Q9UBI7; Q9Y2Z7; Q9Y380; B4DDY7
Molecular Weight	Predicted: 13, 36 kDa Observed: 38 kDa
NCBI Official Full Name	zinc transporter ZIP1 isoform a
NCBI Official Synonym Full Names	solute carrier family 39 (zinc transporter), member 1

NCBI Official Symbol	SLC39A1
NCBI Official Synonym Symbols	ZIP1; ZIRTL
NCBI Protein Information	zinc transporter ZIP1; zrt- and lrt-like protein 1; solute carrier family 39 (zinc transporter), member 3
UniProt Protein Name	Zinc transporter ZIP1
UniProt Gene Name	SLC39A1
UniProt Synonym Gene Names	IRT1; ZIP1; ZIRTL; ZIP-1; hZIP1
UniProt Entry Name	S39A1_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/zip1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39295>