

Rabbit ZIP7 Polyclonal Antibody | anti-ZIP7 antibody

Phospho-ZIP7 (Ser275/Ser276) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329344	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

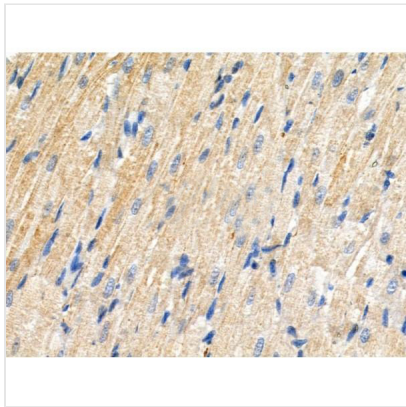
PRODUCT SYNONYMS

ZIP7; Polyclonal Antibody; Phospho-ZIP7 (Ser275/Ser276) Antibody; D6S115E; D6S2244E; H2 KE4; Histidine rich membrane protein Ke4; Histidine-rich membrane protein Ke4; HKE4; HLA class II region expressed gene KE4; KE4; Ke4 gene mouse; human homolog of; Really interesting new gene 5 protein; RING5; S39A7_HUMAN; SLC39A7; Solute carrier family 39 (zinc transporter); member 7; Solute carrier family 39 member 7; solute carrier family 39 zinc transporter member 7; Zinc transporter SLC39A7; anti-ZIP7 antibody

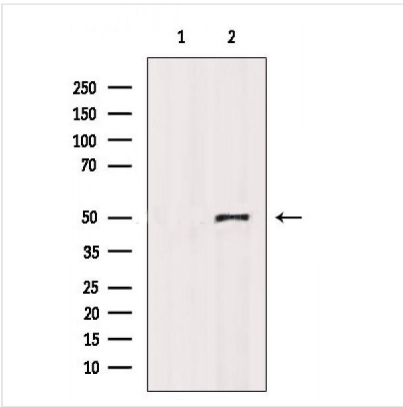
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-ZIP7 (Ser275/Ser276) Antibody detects endogenous levels of ZIP7 only when phosphorylated at Ser275/276. Tissue Specificity: Widely expressed.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-ZIP7 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ZIP7 around the phosphorylation site of Ser275/276.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Rapidly phosphorylated by CK2 following Zn (2+) treatment. This phosphorylation is required for efficient cytosolic Zn (2+) release.
Similarity	Belongs to the ZIP transporter (TC 2.A.5) family. KE4/Catsup subfamily.
Subcellular Location	Endoplasmic reticulum membrane>Multi-pass membrane protein. Golgi apparatus>cis-Golgi network membrane.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
Staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Hela cells(heat shock treatment), using Phospho-ZIP7 (Ser275/Ser276) Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ZIP7 antibody	Zinc transporter, that transports Zn (2+) from the endoplasmic reticulum/Golgi apparatus to the cytosol. Transport is stimulated by growth factors, such as EGF, and Ca (2+), as well as by exogenous Zn (2+).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117553619
NCBI GeneID	7922
NCBI Accession #	NP_001070984.1
NCBI GenBank Nucleotide #	NM_001077516.1
UniProt Accession #	Q92504; Q5STP8; Q9UIQ0; B0UXF6
Molecular Weight	50,118 Da
NCBI Official Full Name	zinc transporter SLC39A7
NCBI Official Synonym Full Names	solute carrier family 39 (zinc transporter), member 7
NCBI Official Symbol	SLC39A7
NCBI Official Synonym Symbols	KE4; HKE4; ZIP7; RING5; H2-KE4; D6S115E; D6S2244E
NCBI Protein Information	zinc transporter SLC39A7; Ke4 gene, mouse, human homolog of; solute carrier family 39 member 7; histidine-rich membrane protein Ke4; really interesting new gene 5 protein; HLA class II region expressed gene KE4
UniProt Protein Name	Zinc transporter SLC39A7
UniProt Gene Name	SLC39A7
UniProt Synonym Gene Names	HKE4; RING5
UniProt Entry Name	S39A7_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.