
Product Name: ZIP2 Rabbit Polyclonal Antibody**Catalog #: APRab20110**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	36kDa

Antigen Information

Gene Name	SLC39A2
Alternative Names	SLC39A2; ZIP2; Zinc transporter ZIP2; 6A1; Eti-1; Solute carrier family 39 member 2; Zrt- and Irt-like protein 2; ZIP-2; hZIP2
Gene ID	29986.0
SwissProt ID	Q9NP94
Immunogen	The antiserum was produced against synthesized peptide derived from human SLC39A2. AA range:11-60

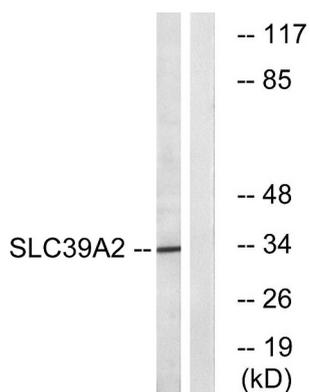
Background

This gene encodes a member of the ZIP family of metal ion transporters. The encoded protein functions as a zinc transporter. Mutations in this gene may be associated with susceptibility to carotid artery disease. Multiple transcript variants have been described. [provided by RefSeq, Mar 2010],function:Mediates zinc uptake. Zinc uptake may be mediated by a $Zn(2+)-HCO(3)(-)$ symport mechanism and can function in the presence of albumin. May also transport other divalent cations. May be important in contact inhibition of normal epithelial cells and loss of its expression may play a role in tumorigenesis.,induction:Shows a dramatic induction in normal epithelial cells contact inhibition.,miscellaneous:Zinc uptake is inhibited at pH levels below 7.0 and is stimulated at higher pH and is significantly inhibited by $Cu(2+)$, $Co(2+)$ and $Mn(2+)$ ions. Not inhibited by $Fe(2+)$.,similarity:Belongs to the ZIP transporter (TC 2.A.5) family.,tissue specificity:Expressed only in prostate and uterine epithelial cells.,

Research Area

Signal Transduction; Metabolism; Plasma Membrane; Channels; Types of disease; Cancer

Image Data



Western blot analysis of lysates from Jurkat cells, using SLC39A2 Antibody. The lane on the right is blocked with the synthesized peptide.