Product Name: ZIP4 Rabbit Polyclonal Antibody
Catalog #: APRab20111

Summary

Production Name	ZIP4 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	SLC39A4
Alternative Names	SLC39A4; ZIP4; Zinc transporter ZIP4; Solute carrier family 39 member 4; Zrt- and Irt-like protein 4; ZIP-4
Gene ID	55630.0
SwissProt ID	Q6P5W5.The antiserum was produced against synthesized peptide derived from human SLC39A4. AA range:431-480

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:40000.
Molecular Weight	68kD

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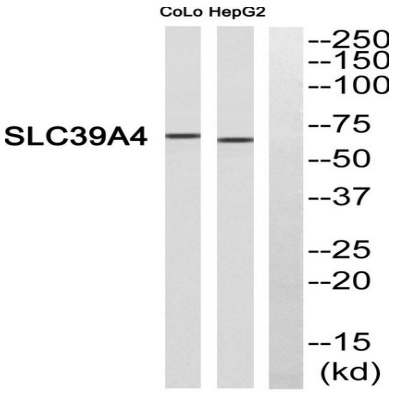
Background

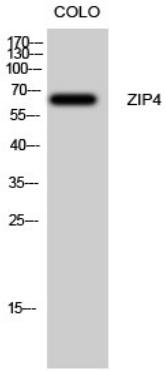
This gene encodes a member of the zinc/iron-regulated transporter-like protein (ZIP) family. The encoded protein localizes to cell membranes and is required for zinc uptake in the intestine. Mutations in this gene result in acrodermatitis enteropathica. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2013],disease:Defects in SLC39A4 are the cause of acrodermatitis enteropathica zinc-deficiency type (AEZ) [MIM:201100]. AEZ is a rare autosomal recessive disease caused by the inability to absorb sufficient zinc. The clinicals features are growth retardation, immune system dysfunction, alopecia, severe dermatitis, diarrhea and occasionally mental disorders. All these manifestations are reversible with zinc supplementation. Without zinc therapy this disease is fatal.,function:Plays an important role in cellular zinc homeostasis as a zinc transporter. Regulated in response to zinc availability.,similarity:Belongs to the ZIP transporter (TC 2.A.5) family.,subcellular location: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.,

Research Area

Image Data



Western blot analysis of SLC39A4 Antibody. The lane on the right is blocked with the SLC39A4 peptide.



Western Blot analysis of Colo cells using ZIP4 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

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Note

For research use only.