

## ZIP4 Polyclonal Antibody

<b>Catalog No :</b>	YT4949
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	ZIP4
<b>Fields :</b>	>>Mineral absorption;>>Alzheimer disease;>>Parkinson disease
<b>Gene Name :</b>	SLC39A4
<b>Protein Name :</b>	Zinc transporter ZIP4
<b>Human Gene Id :</b>	55630
<b>Human Swiss Prot No :</b>	Q6P5W5
<b>Mouse Swiss Prot No :</b>	Q78IQ7
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human SLC39A4. AA range:431-480
<b>Specificity :</b>	ZIP4 Polyclonal Antibody detects endogenous levels of ZIP4 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 68kD

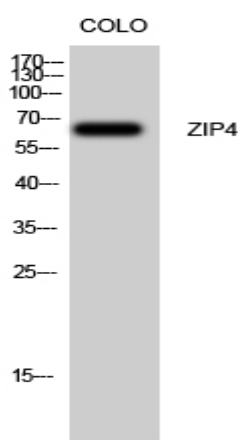
**Background :** This gene encodes a member of the zinc/iron-regulated transporter-like protein (ZIP) family. The encoded protein localizes to cell membranes and is required for zinc uptake in the intestine. Mutations in this gene result in acrodermatitis enteropathica. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2013],

**Function :** 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 clinical 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

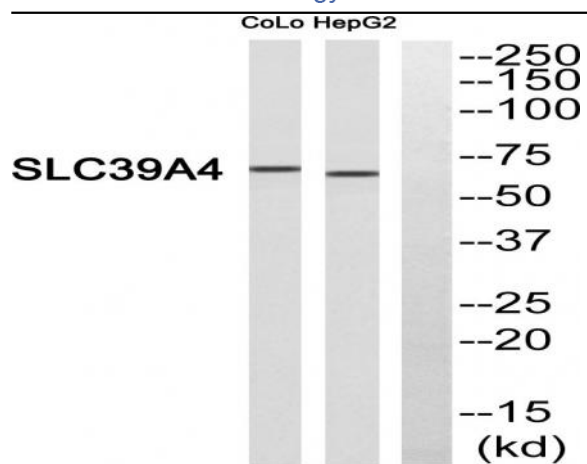
**Subcellular Location :** Cell membrane ; Multi-pass membrane protein . Recycling endosome membrane ; Multi-pass membrane protein . Colocalized with TFRC in the recycling endosomes. Cycles between endosomal compartments and the plasma membrane in response to zinc availability.

**Expression :** Highly expressed in kidney, small intestine, stomach, colon, jejunum and duodenum.

## Products Images



Western Blot analysis of Colo cells using ZIP4 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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