

## ZIP2 Polyclonal Antibody

<b>Catalog No :</b>	YT4948
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	ZIP2
<b>Fields :</b>	>>Alzheimer disease;>>Parkinson disease
<b>Gene Name :</b>	SLC39A2
<b>Protein Name :</b>	Zinc transporter ZIP2
<b>Human Gene Id :</b>	29986
<b>Human Swiss Prot No :</b>	Q9NP94
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human SLC39A2. AA range:11-60
<b>Specificity :</b>	ZIP2 Polyclonal Antibody detects endogenous levels of ZIP2 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: 1:10000. 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)
<b>Observed Band :</b>	36kD

**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 :**

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.,

**Subcellular Location :**

Cell membrane; Multi-pass membrane protein.

**Expression :**

Expressed only in prostate and uterine epithelial cells.

## Products Images

