



ZIP1 Monoclonal Antibody

Catalog No	YP-mAb-04272
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SLC39A1
Immunogen	The antiserum was produced against synthesized peptide derived from human SLC39A1. AA range:111-160
Specificity	ZIP1 Monoclonal Antibody detects endogenous levels of ZIP1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SLC39A1;hZIP1;IRT1;ZIP1;ZIP-1;Zinc transporter ZIP1;ZIRTL;CGI-08;CGI-71; Solute carrier family 39 member 1;Zinc-iron-regulated transporter-like;Zrt- and Irt-like protein 1
Observed Band	38kD
Calculated Molecular Weight	38kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein . Shows a vesicular localization corresponding partially to the endoplasmic reticulum in several epithelial cell lines.
Tissue Specificity	Ubiquitous. Expressed in most adult and fetal tissues including the epidermis.
Function	function:Mediates zinc uptake. May function as a major endogenous zinc uptake transporter in many cells of the body. Responsible for the rapid uptake and accumulation of physiologically effective zinc in prostate cells., miscellaneous:Inhibited by Ni(2+) ions. Fe(2+) ions do not inhibit zinc uptake., similarity:Belongs to the ZIP transporter (TC 2.A.5) family.,subcellular location:Shows a vesicular localization corresponding partially to the endoplasmic reticulum in several epithelial cell lines.,tissue



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Background

This gene encodes a member of the zinc-iron permease family. The encoded protein is localized to the cell membrane and acts as a zinc uptake transporter. This gene has been linked to prostate cancer, breast cancer, and Alzheimer's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

