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Immunotag™ ZIP2 Polyclonal Antibody

Antibody Specification

Catalog No.	ITT4948
Product Description	Immunotag™ ZIP2 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	ZIP2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human SLC39A2. AA range:11-60
Specificity	ZIP2 Polyclonal Antibody detects endogenous levels of ZIP2 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	SLC39A2
Accession No.	Q9NP94
Alternate Names	SLC39A2; ZIP2; Zinc transporter ZIP2; 6A1; Eti-1; Solute carrier family 39 member 2; Zrt- and Irt-like protein 2; ZIP-2; hZIP2

Antibody Specification

Description	solute carrier family 39 member 2(SLC39A2) Homo sapiens 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],
Protein Expression	Prostate,Uterine ectocervix,
Subcellular Localization	plasma membrane,integral component of plasma membrane,cytoplasmic, membrane-bounded vesicle,cytoplasmic vesicle,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.