

ZIP1 Antibody

Catalog No: #25224

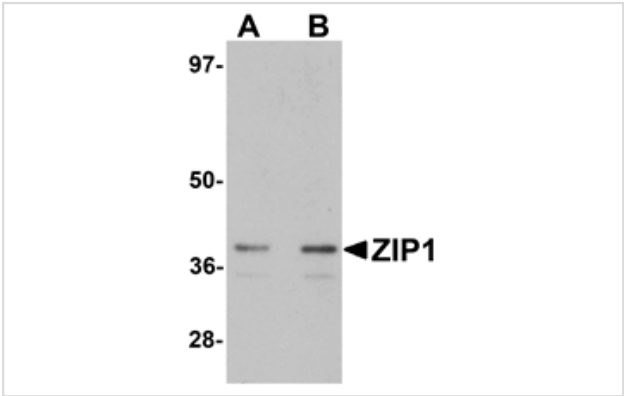


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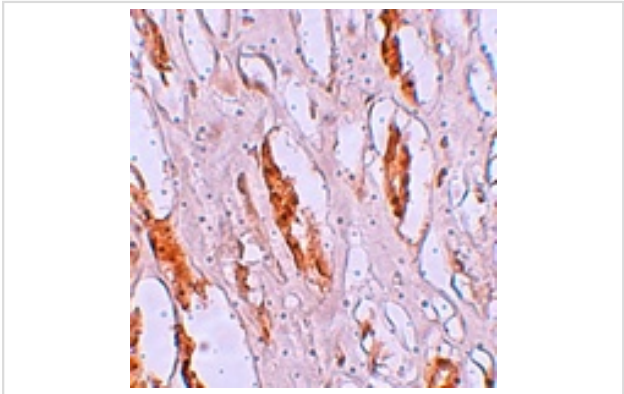
Description

Product Name	ZIP1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide near the amino terminus of human ZIP1.
Target Name	ZIP1
Other Names	Solute carrier family 39 member A1, Slc39A1, ZIRTL
Accession No.	Swiss-Prot:Q9NY26Gene ID:27173
Uniprot	Q9NY26
GeneID	27173;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of ZIP1 in mouse kidney tissue lysate with ZIP1 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of ZIP1 in human kidney tissue with ZIP1 antibody at 2.5 ug/mL.

Background

ZIP1, also known as ZIRT1 (zinc-iron regulated transporter-like), is the first mammalian member of a family of divalent ion transporters. Zinc is an essential ion for cells and plays significant roles in the growth, development, and differentiation. ZIP1 expression is markedly downregulated in a number of cancerous tissues and is thought to function as a tumor suppressor gene in prostate cancer. More recent studies have shown that overexpression of ZIP1 and concomitant increased levels of intracellular zinc in PC-3 cells cause a significant inhibition of NF- κ B, leading to down-regulation of the antiapoptotic protein Bcl-2, Bcl-XL, and the apoptosis inhibitor XIAP, reducing the malignant potential of prostate cancer cells in vitro and in vivo.

Note: This product is for in vitro research use only