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Datasheet for ABIN783795

anti-SLC39A1 antibody (N-Term)

1 Image

Overview

Quantity:	0.1 mg
Target:	SLC39A1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC39A1 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	16 amino acid peptide near the amino terminus of human ZIP1
Specificity:	This antibody detects Zinc transporter ZIP1 / SLC39A1 at N-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	SLC39A1
Alternative Name:	Zinc Transporter ZIP1 / SLC39A1 (SLC39A1 Products)
Background:	ZIP1, also known as ZIRTL (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

Target Details

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-kappaB, 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. Synonyms: IRT1, Solute carrier family 39 member 1, ZIP-1, ZIP1, ZIRTL, Zinc-iron-regulated transporter-like, Zrt- and Irt-like protein 1

Gene ID: 27173

NCBI Accession: [NP_055252](#)

UniProt: [Q9NY26](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

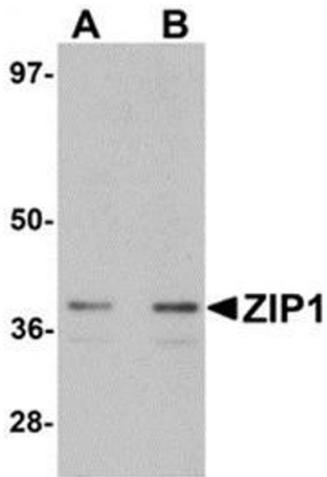
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of ZIP1 in mouse kidney tissue lysate with ZIP1 antibody at (A) 1 and (B) 2 $\mu\text{g}/\text{ml}$.