Datasheet for ABIN6991452

anti-ZIP2 antibody (N-Term)

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Overview

Quantity:	0.1 mg
Target:	ZIP2 (Slc39a2)
Binding Specificity:	AA 70-120, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZIP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	ZIP2 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human ZIP2. The immunogen is located within amino acids 70 - 120 of ZIP2.
Isotype:	IgG
Purification:	ZIP2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	ZIP2 (Slc39a2)
Alternative Name:	ZIP2 (Slc39a2 Products)
Background:	ZIP2 Antibody: The zinc transporter ZIP2, also known as SLC39A2, is a member of a family of divalent ion transporters. Zinc is an essential ion for cells and plays significant roles in the

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Target Details

	growth, development, and differentiation. Similar to knock-outs of ZIP1 and ZIP3, ZIP2-null mice have no phenotypic differences compared to wild-type mice. Only when ZIP1, ZIP2, and ZIP3 genes are all eliminated and these mutant mice are fed a zinc-deficient diet do abnormalities such as reduced embryonic-membrane bound alkaline phosphatase activity and abnormal development occur, indicating that the ZIP1-3 proteins play an important, noncompensatory role when zinc is deficient. More recent studies have shown that ZIP2 and ZIP3 are down regulated in human prostate adenocarcinomatous glands, and may be important in the retention of zinc in the cellular compartment.
Molecular Weight:	Predicted: 34kDa Observed: 32 kDa
Gene ID:	29986
NCBI Accession:	NP_055394
UniProt:	Q9NP94
Pathways:	Autophagy

Application Details

Application Notes:	ZIP2 antibody can be used for detection of ZIP2 by Western blot at 1 µ,g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µ,g/mL. For immunofluorescence start at 20 µ,g/mL. Antibody validated: Western Blot in mouse and rat samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	ZIP2 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	ZIP2 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.