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Datasheet for ABIN6991048

anti-SLC39A10 antibody (AA 490-540)

Overview

Quantity:	0.1 mg
Target:	SLC39A10
Binding Specificity:	AA 490-540
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC39A10 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	ZIP10 antibody was raised against a 17 amino acid synthetic peptide near the center of the human ZIP10. The immunogen is located within amino acids 490 - 540 of ZIP10.
Isotype:	IgG
Specificity:	This antibody will not cross-react with the zinc transporter ZIP11.
Purification:	ZIP10 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SLC39A10
Alternative Name:	ZIP10 (SLC39A10 Products)
Background:	ZIP10 Antibody: ZIP10, also known as Slc39A10, is a widely expressed zinc transporter with

Target Details

nine transmembrane domains. Zinc is an essential ion for cells and plays significant roles in the growth, development, and differentiation. ZIP10 mRNA was found to be significantly decreased in the intestines and kidneys of hypothyroid rats and increased in those of hyperthyroid rats, indicating that ZIP10 is positively regulated by thyroid hormones. ZIP10 mRNA was also found to be upregulated in invasive and metastatic breast cancer and cell lines, suggesting that ZIP10 could serve as a possible marker for the metastatic phenotype and possibly a target for novel treatment strategies. At least three isoforms of ZIP10 are known to exist.

Gene ID: 363229

UniProt: [Q9ULF5](#)

Application Details

Application Notes: ZIP10 antibody can be used for detection of ZIP10 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL.

Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: ZIP10 Antibody is supplied in 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.

Storage: -20 °C, 4 °C

Storage Comment: ZIP10 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.