

ZIP10 Antibody

Catalog No: #24824

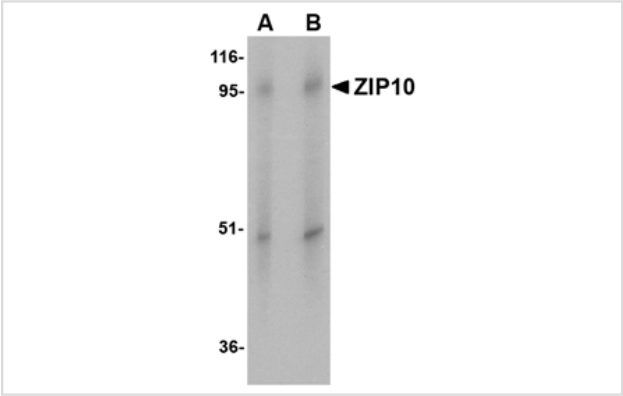


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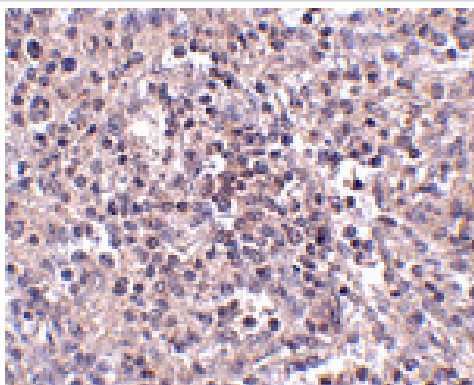
Description

| | |
|-----------------------|---|
| Product Name | ZIP10 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Affinity chromatography purified via peptide column |
| Applications | ELISA WB IHC |
| Species Reactivity | Hu Ms Rt |
| Specificity | This antibody will not cross-react with the zinc transporter ZIP11. |
| Immunogen Type | Peptide |
| Immunogen Description | Raised against a 17 amino acid peptide near the center of the human ZIP10. |
| Target Name | ZIP10 |
| Other Names | Solute carrier family 39 member a10, Slc39a10, LZT-Hs2 |
| Accession No. | Swiss-Prot:Q9ULF5Gene ID:57181 |
| Uniprot | Q9ULF5 |
| GeneID | 57181; |
| 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 ZIP10 in human spleen tissue lysate with ZIP10 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of ZIP10 in human spleen tissue with ZIP10 antibody at 2.5 ug/mL.

Background

ZIP10, also known as Slc39A10, is a widely expressed zinc transporter with 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.

Note: This product is for in vitro research use only