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Datasheet for 600-401-GE2

ZIP10 Antibody

Overview

Description:	Anti-ZIP10 (RABBIT) Antibody - 600-401-GE2
Item No.:	600-401-GE2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

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.
Synonyms:	ZIP10 Antibody, Zinc transporter ZIP10, Solute carrier family 39 member 10, Zrt- and Irt-like protein 10, ZIP-10, SLC39A10, KIAA1265, ZIP10
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SLC39A10
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ZIP10 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the internal region of human ZIP10.

Purity/Specificity:	Anti-ZIP10 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with ZIP10 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9ULF5 • GeneID - 57181 • NCBI - NP_001120729.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-ZIP10 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 91 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	2.5 µg/mL
WB:	1-2 µg/mL

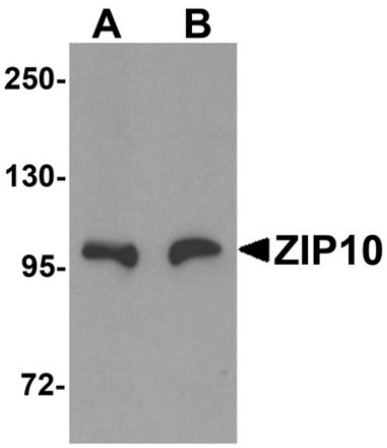
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

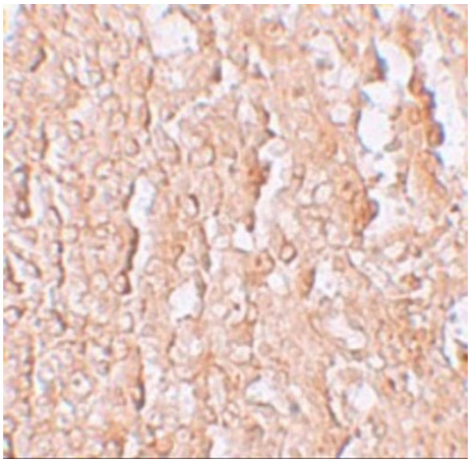
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

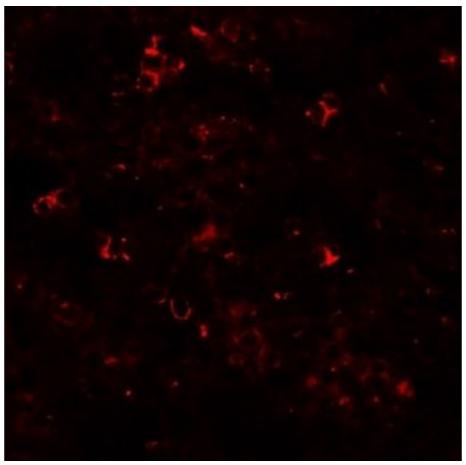
Images



Western Blot
Western blot analysis of ZIP10.
Load: human spleen tissue lysate.
Primary Antibody: Anti-ZIP10 antibody at (A) 1 µg/mL and (B) 2 µg/mL.



Immunohistochemistry
Immunohistochemistry of ZIP10.
Tissue: human spleen tissue.
Primary Antibody: Anti-ZIP10 antibody at 2.5 µg/mL.



Immunofluorescence Microscopy
Immunofluorescence of ZIP10.
Tissue: human spleen tissue.
Primary Antibody: Anti-ZIP10 antibody at 20 µg/mL.

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Disclaimer

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