Datasheet for 600-401-GF3

ZIP8 Antibody

Overview

Description:	Anti-ZIP8 (RABBIT) Antibody - 600-401-GF3
Item No.:	600-401-GF3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The zinc transporter ZIP8, also known as SLC39A8, is a member of a family of divalent ion transporters. Zinc is an essential ion for cells and plays significant roles in the growth, development, and differentiation. The zinc transporter family is divided into four subfamilies (I, II, LIV-1 and gufA). ZIP8 is glycosylated and located at the plasma membrane and mitochondria. It has been identified as the transporter responsible for transport of the toxic Cadmium cation. ZIP8 has also been suggested to play a role in the regulation of interferon-gamma expression in activated human T cells.
Synonyms:	ZIP8 Antibody, ZIP8, PP3105, BIGM103, LZT-Hs6, ZIP8, Zinc transporter ZIP8, BCG-induced integral membrane protein in monocyte clone 103 protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SLC39A8
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ZIP8 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 18 amino acid synthetic peptide near the C-terminus of human ZIP8.

Purity/Specificity:	Anti-ZIP8 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. ZIP8 antibody is predicted to not cross-react with other ZIP family members.
Relevant Links:	• UniProtKB - Q9C0K1 • GeneID - 64116 • NCBI - NP_001128618.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-ZIP8 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 50 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:	5 µg/mL
WB:	1-2 µg/mL

Formulation

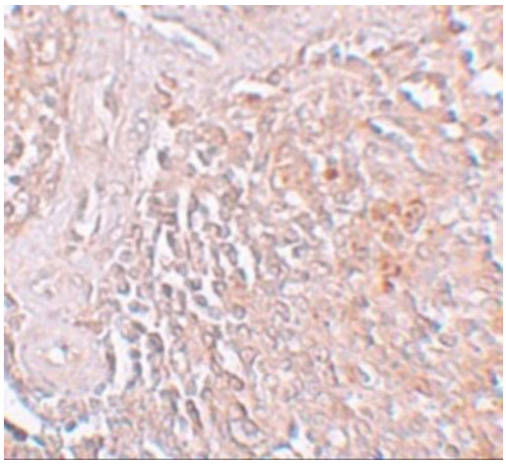
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

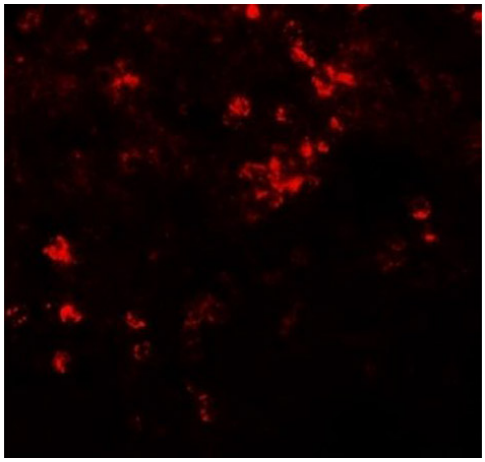
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

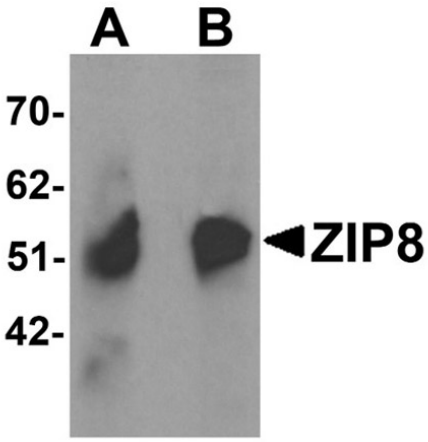
Images



Immunohistochemistry
Immunohistochemistry of ZIP8.
Tissue: human spleen tissue.
Primary Antibody: Anti-ZIP8 antibody at 5 µg/mL.



Immunofluorescence Microscopy
Immunofluorescence of ZIP8.
Tissue: human spleen tissue.
Primary Antibody: Anti-ZIP8 antibody at 20 µg/mL.



Western Blot
Western blot analysis of ZIP8.
Load: human spleen tissue lysate.
Primary Antibody: Anti-ZIP8 antibody at (A) 1 µg/mL and (B) 2 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.