

Datasheet for 600-401-GE5**ZIP13 Antibody****Overview**

Description:	Anti-ZIP13 (RABBIT) Antibody - 600-401-GE5
Item No.:	600-401-GE5
Size:	100 µg
Applications:	ELISA, IF, IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The zinc transporter ZIP13, also known as SLC39A13, 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). ZIP13 is a multipass membrane protein that belongs to the ZIP transporter subfamily LIV-1. Mutations in ZIP13 have recently been shown to cause a spondylocheiro dysplastic form of Ehlers-Danlos syndrome (SCD-EDS), a generalized skeletal dysplasia involving mainly the spine with clinical abnormalities of the hands in addition to EDS-like features. Other experiments have shown that ZIP13 is required for proper connective tissue development and is involved in BMP/TGF- signaling pathways.
Synonyms:	ZIP13 Antibody, ZIP13, Zinc transporter ZIP13, LIV-1 subfamily of ZIP zinc transporter 9, LZT-Hs9
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SLC39A13
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ZIP13 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the N-terminus of human ZIP13.

Purity/Specificity: Anti-ZIP13 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms of ZIP13 are known to exist; this antibody will detect both isoforms. ZIP13 antibody is predicted to not cross-react with other ZIP family members.

Relevant Links:

- [UniProtKB - Q96H72](#)
- [GeneID - 91252](#)
- [NCBI - NP_001121697.1](#)

Application Details

Tested Applications: ELISA, IF, IHC

Application Note: Anti-ZIP13 Antibody has been tested for use in ELISA, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 39 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

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

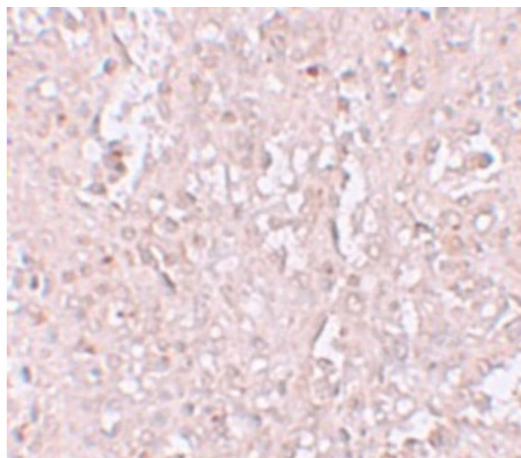
Shipping & Handling

Shipping Condition: 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

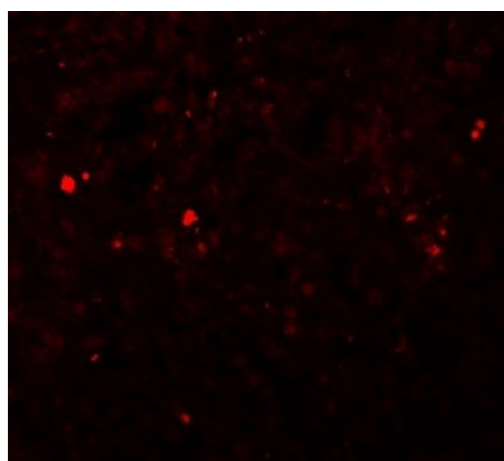


Immunohistochemistry

Immunohistochemistry of ZIP13.

Tissue: human spleen tissue.

Primary Antibody: Anti-ZIP13 antibody at 2.5 µg/mL.



Immunofluorescence Microscopy

Immunofluorescence of ZIP13.

Tissue: human spleen tissue.

Primary Antibody: Anti-ZIP13 antibody at 20 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.