

Datasheet for 600-401-GE3**ZIP11 Antibody****Overview**

Description:	Anti-ZIP11 (RABBIT) Antibody - 600-401-GE3
Item No.:	600-401-GE3
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	ZIP11, also known as Slc39A11, is a member of the broader ZIP family of multi-transmembrane domain metal ion transporters. Zinc is an essential ion for cells and plays significant roles in the growth, development, and differentiation. Members of the ZIP family generally transport metal ions from the cell exterior or lumen of intracellular organelles into the cytoplasm, as opposed to the ZnT (SLC30) family of zinc transporters that serve to reduce intracellular zinc availability by promoting zinc efflux from cells or into intracellular vesicles. At least three isoforms of ZIP11 are known to exist.
Synonyms:	ZIP11 Antibody, ZIP11, C17orf26, ZIP11, Zinc transporter ZIP11, Solute carrier family 39 member 11, ZIP-11
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SLC39A11
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ZIP11 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the internal region of the human ZIP11.

Purity/Specificity:	Anti-ZIP11 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody will not cross-react with the zinc transporter ZIP10.
Relevant Links:	• UniProtKB - Q8N1S5 • GeneID - 201266 • NCBI - NP_001153242.1

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-ZIP11 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 35 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
IHC:	2.5 µg/mL
WB:	1-2 µg/mL

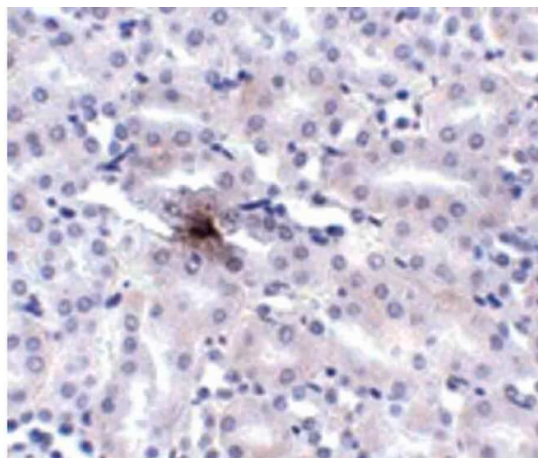
Formulation

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

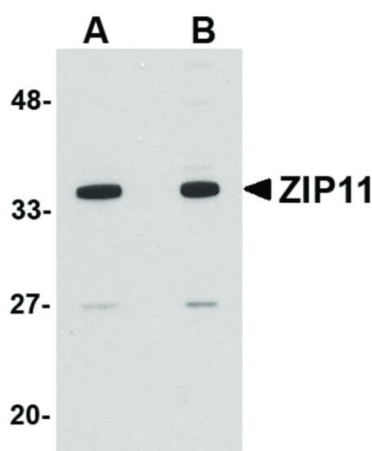
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several 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 ZIP11 antibody. Tissue: Mouse kidney tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: ZIP11 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: ZIP11 is nuclear. Staining: ZIP11 as precipitated pink signal with hematoxylin purple nuclear counterstain.



Western Blot

Western Blot of ZIP11 antibody. Lane 1: Mouse kidney tissue lysate with ZIP11 antibody at 1 µg/mL. Lane 2: Mouse kidney tissue lysate with ZIP11 antibody at 2 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 37.1 kDa, 35 kDa for ZIP11. Other band(s): ZIP11 splice variants and isoforms.

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.