

**Datasheet for 600-401-CP2****LZTR1 Antibody****Overview**

<b>Description:</b>	Anti-LZTR1 (RABBIT) Antibody - 600-401-CP2
<b>Item No.:</b>	600-401-CP2
<b>Size:</b>	100 µg
<b>Applications:</b>	ELISA, IHC, WB
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host Species:</b>	Rabbit

**Product Details**

<b>Background:</b>	LZTR1, a member of the BTB-kelch superfamily, was initially described as a putative transcriptional regulator based on weak homology to members of the basic leucine zipper-like family, the encoded protein subsequently has been shown to localize exclusively to the Golgi network where it may help stabilize the Golgi complex. Deletion of this gene may be associated with DiGeorge syndrome, a developmental field defect involving the third and fourth pharyngeal pouches, causing the absence of thymus and parathyroid glands, congenital cardiac abnormalities and facial dysmorphism. LZTR1 is tyrosine phosphorylated and subsequently degraded upon induction of apoptosis.
<b>Synonyms:</b>	LZTR1 Antibody, BTBD29, LZTR-1, SWNTS2, TCFL2, Leucine-zipper-like transcriptional regulator 1
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Gene Name:</b>	LZTR1
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Immunogen Type:</b>	Conjugated Peptide
<b>Immunogen:</b>	Anti-LZTR1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the N-terminus of human LZTR1.

**Purity/Specificity:** Anti-LZTR1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with LZTR1 from other sources has not been determined.

**Relevant Links:**

- [UniProtKB - Q8N653](#)
- [GeneID - 8216](#)
- [NCBI - CAJ86451](#)

## Application Details

**Tested Applications:** ELISA, IHC, WB

**Application Note:** Anti-LZTR1 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 95 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:** 5 µg/mL

**WB:** 1-2 µg/mL

## Formulation

**Physical State:** Liquid (sterile filtered)

**Concentration:** 1.0mg/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

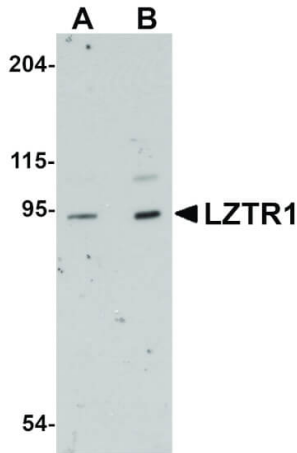
## Shipping & Handling

**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.

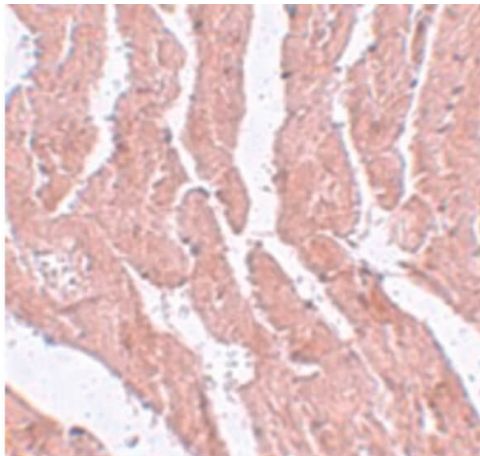
**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



### Western Blot

Western Blot of LZTR1 antibody. Lane 1: Human heart tissue lysate with LZTR1 antibody at 1  $\mu\text{g}/\text{mL}$ . Lane 2: Human heart tissue lysate with LZTR1 antibody at 2  $\mu\text{g}/\text{mL}$ . 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: 95 kDa, 95 kDa for LZTR1. Other band(s): LZTR1 splice variants and isoforms.



### Immunohistochemistry

Immunohistochemistry of LZTR1 antibody. Tissue: Mouse heart tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: LZTR1 antibody at 5  $\mu\text{g}/\text{mL}$  for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: LZTR1 as precipitated brown signal with blue nuclear counterstain.

## 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.