

Datasheet for 600-401-CP5**LZTS2 Antibody****Overview**

Description:	Anti-LZTS2 (RABBIT) Antibody - 600-401-CP5
Item No.:	600-401-CP5
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	The leucine zipper putative tumor suppressor 2 (LZTS2, also known as LAPSER1), a member of the LZTS family, is a negative regulator of the Wnt signaling pathway. It represses beta-catenin-mediated transcriptional activation by promoting the nuclear exclusion of beta-catenin. LZTS2 is involved in cytokinesis and regulates katanin-mediated microtubule severing and release from the centrosome. LZTS2 may negatively regulate axonal outgrowth by preventing the formation of microtubule bundles that are necessary for transport within the elongating axon. LZTS2 is highly expressed in testis and prostate, but it is deleted in multiple cancers, including prostate tumors, suggesting that LZTS2 acts as a potential tumor suppressor.
Synonyms:	LZTS2 Antibody, LAPSER1, KIAA1813, LAPSER1, Leucine zipper putative tumor suppressor 2, Protein LAPSER1, hLZTS2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	LZTS2
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-LZTS2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the N-terminus of human LZTS2.

Purity/Specificity: Anti-LZTS2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. LZTS2 antibody is predicted to not cross-react with other LZTS family members

Relevant Links:

- [UniProtKB - Q9BRK4](#)
- [GeneID - 84445](#)
- [NCBI - NP_115805](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-LZTS2 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 73 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

IF: 20 µg/mL

IHC: 2.5 µg/mL

WB: 1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1mg/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

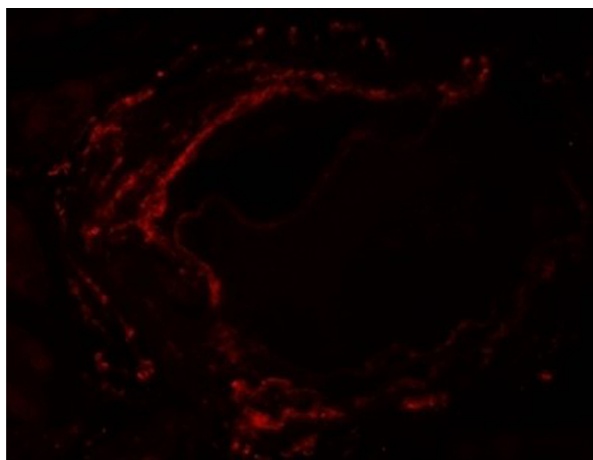
Shipping & Handling

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:

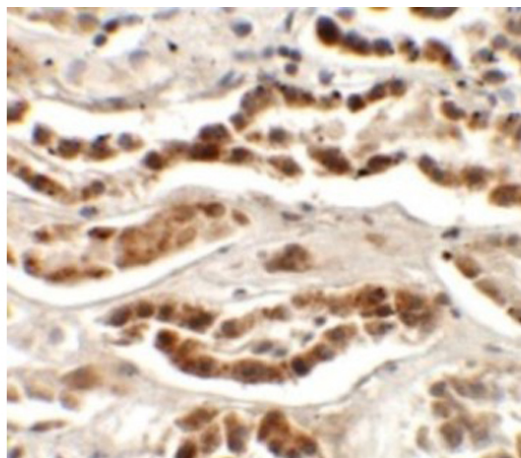
Expiration date is one (1) year from date of receipt.

Images**Immunofluorescence Microscopy**

Immunofluorescence of LZTS2.

Tissue: human kidney tissue.

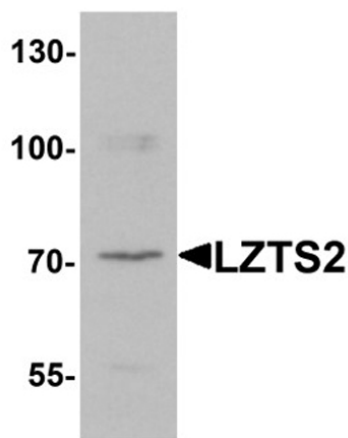
Primary Antibody: LZTS2 antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of LZTS2.

Tissue: human kidney tissue.

Primary Antibody: LZTS2 antibody at 2.5 µg/mL.

**Western Blot**

Western blot analysis of LZTS2.

Load: human kidney tissue lysate.

Primary Antibody: LZTS2 antibody at 1 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.