

Datasheet for 600-401-DZ7**RILPL1 Antibody****Overview**

Description:	Anti-RILPL1 (RABBIT) Antibody - 600-401-DZ7
Item No.:	600-401-DZ7
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	While the function of the Rab interacting lysosomal protein-like 1 (RILPL1) remains unknown, the homologous protein RILP is a small GTPase that controls transport to endocytic compartments, suggesting RILPL1 may have similar functions. However, overexpression of RILP caused enlarged lysosomes that are more centrally located in the cell, while overexpression of RILPL1 had no visible effect on the location or morphology of lysosomes.
Synonyms:	RILPL1 Antibody, RLP1, GOSPEL, RLP1, RILP-like protein 1, Rab-interacting lysosomal-like protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RILPL1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-RILPL1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the N-terminus of human RILPL1.

Purity/Specificity: Anti-RILPL1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of RILPL1 are known to exist; this antibody will detect the two shorter isoforms. RILPL1 antibody is predicted to not cross-react with RILP.

Relevant Links:

- [UniProtKB - Q5EBL4](#)
- [GeneID - 353116](#)
- [NCBI - AAH89444](#)

Application Details

Tested Applications: ELISA, IF, WB

Application Note: Anti-RILPL1 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 47 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: 1:5,000 - 1:10,000

IF: 20 µg/mL

WB: .5-1 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

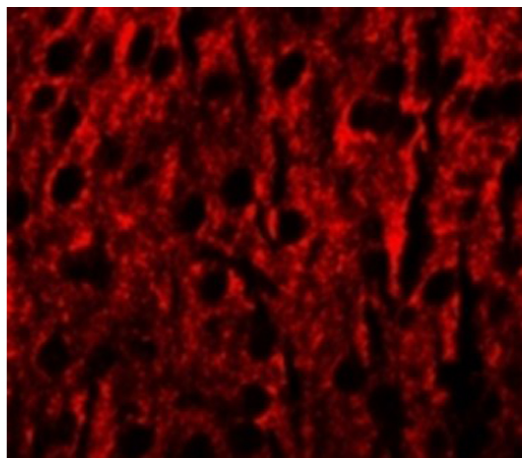
Shipping & Handling

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

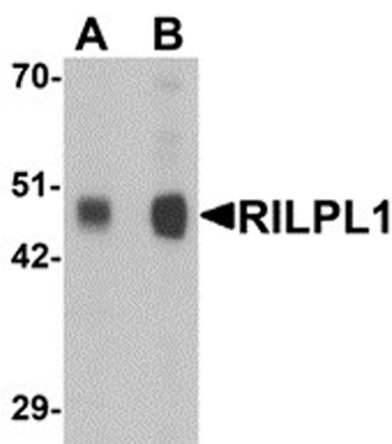


Immunofluorescence Microscopy

Immunofluorescence of RILPL1.

Cell: mouse brain cells.

Primary Antibody: RILPL1 antibody at 20 µg/mL.



Western Blot

Western blot analysis of RILPL1.

Load: rat cerebellum tissue lysate.

Primary Antibody: RILPL1 antibody at (A) 0.5 µg/mL and (B) 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.