

**Datasheet for 600-401-EA8****RLP2 Antibody****Overview**

|                      |                                           |
|----------------------|-------------------------------------------|
| <b>Description:</b>  | Anti-RLP2 (RABBIT) Antibody - 600-401-EA8 |
| <b>Item No.:</b>     | 600-401-EA8                               |
| <b>Size:</b>         | 100 µg                                    |
| <b>Applications:</b> | ELISA, IF, IHC, WB                        |
| <b>Reactivity:</b>   | Human                                     |
| <b>Host Species:</b> | Rabbit                                    |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | The Rab interacting lysosomal protein-like 2 (RLP2) protein is related to the is lysosomal protein RILP which interacts with RAB7, a small GTPase that controls transport to endocytic degradative compartments. Little is known of the exact function of RLP2, but it is thought that RILP is a downstream effector of RAB7 and both proteins act together in the regulation of late endocytic traffic, suggesting that RLP2 may be involved in endocytic traffic with RILP or play a similar role. RILP and possible RLP2 may also play a role in the biogenesis of multivesicular bodies. |
| <b>Synonyms:</b>     | RLP2 Antibody, RLP2, RLP2, RILP-like protein 2, Rab-interacting lysosomal protein-like 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**Target Details**

|                            |                                                                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>          | RILPL2                                                                                                                                                                        |
| <b>Reactivity:</b>         | Human                                                                                                                                                                         |
| <b>Immunogen Type:</b>     | Conjugated Peptide                                                                                                                                                            |
| <b>Immunogen:</b>          | Anti-RLP2 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 16 amino acid synthetic peptide near the internal region of human RLP2.    |
| <b>Purity/Specificity:</b> | Anti-RLP2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with RLP2 from other sources has not been determined. |

|                        |                                                                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Relevant Links:</b> | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q969X0</a></li><li>• <a href="#">GeneID - 196383</a></li><li>• <a href="#">NCBI - NP_659495</a></li></ul> |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Application Details

|                             |                                                                                                                                                                                                                                                                                          |
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| <b>Tested Applications:</b> | ELISA, IF, IHC, WB                                                                                                                                                                                                                                                                       |
| <b>Application Note:</b>    | Anti-RLP2 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 24 kDa in Western Blots of specific cell lysates and tissues. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                          |
| <b>ELISA:</b>               | 1:10,000 - 1:20,000                                                                                                                                                                                                                                                                      |
| <b>IF:</b>                  | 2.5 µg/mL                                                                                                                                                                                                                                                                                |
| <b>IHC:</b>                 | 2.5 µg/mL                                                                                                                                                                                                                                                                                |
| <b>WB:</b>                  | 1-2 µg/mL                                                                                                                                                                                                                                                                                |

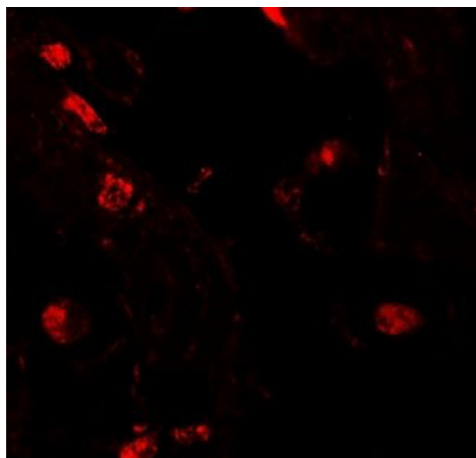
## Formulation

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                               |
| <b>Concentration:</b>  | 1 mg/mL by UV absorbance at 280 nm                      |
| <b>Buffer:</b>         | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.02% (w/v) Sodium Azide                                |
| <b>Stabilizer:</b>     | None                                                    |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Dry Ice                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Condition:</b>  | 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. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                         |

## Images

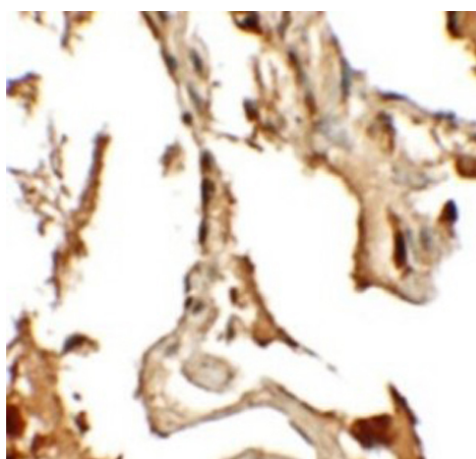


### Immunofluorescence Microscopy

Immunofluorescence of RLP2.

Tissue: human lung tissue.

Primary Antibody: RLP2 antibody at 20 µg/mL.

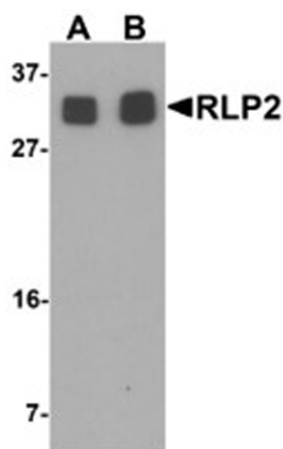


### Immunohistochemistry

Immunohistochemistry of RLP2.

Tissue: human lung tissue.

Primary Antibody: RLP2 antibody at 2.5 µg/mL.



### Western Blot

Western blot analysis of RLP2.

Load: A549 cell lysate.

Primary Antibody: RLP2 antibody at (A) 1 and (B) 2 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.