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Datasheet for 600-401-EA8

# RLP2 Antibody

## Overview

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

## Product Details

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| **Background:** | 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. |
| **Synonyms:** | RLP2 Antibody, RLP2, RLP2, RILP-like protein 2, Rab-interacting lysosomal protein-like 2 |
| **Host Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Gene Name:** | RILPL2 |
| **Reactivity:** | Human |
| **Immunogen Type:** | Conjugated Peptide |
| **Immunogen:** | 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. |
| **Purity/Specificity:** | Anti-RLP2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with RLP2 from other sources has not been determined. |

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| **Relevant Links:** | • UniProtKB - Q969X0<br>• GeneID - 196383<br>• NCBI - NP_659495 |

## Application Details

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| **Tested Applications:** | ELISA, IF, IHC, WB |
| **Application Note:** | 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. |
| **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 |
| **IF:** | 2.5 µg/mL |
| **IHC:** | 2.5 µg/mL |
| **WB:** | 1-2 µg/mL |

## Formulation

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| **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

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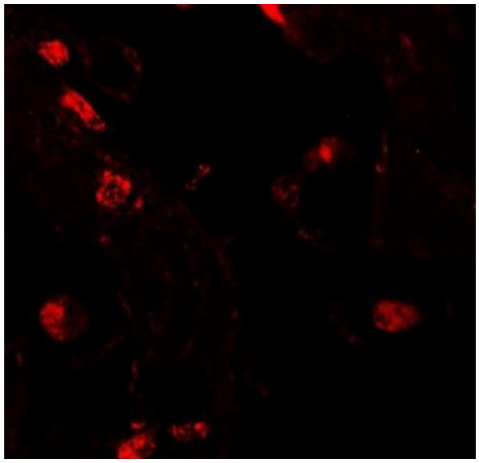
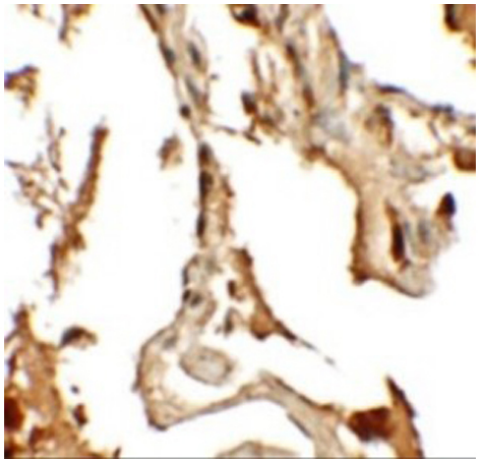
| **Shipping Condition:** | Dry Ice |
| **Storage Condition:** | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product 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. |

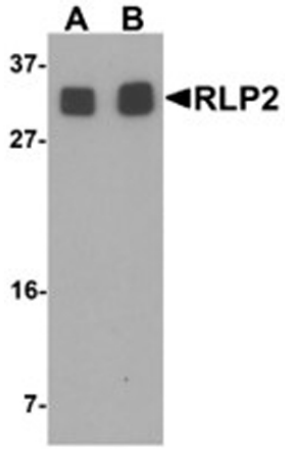
## Images



**Immunofluorescence Microscopy**
Immunofluorescence of 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.

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## Disclaimer

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