

**RILP Antibody (Internal)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS15612****Specification**

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**RILP Antibody (Internal) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC, ICC, IF, WB       |
| Primary Accession | <a href="#">Q96NA2</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 44kDa KDa              |

**RILP Antibody (Internal) - Additional Information****Gene ID** 83547**Other Names**

Rab-interacting lysosomal protein, RILP

**Target/Specificity**

Human RILP.

**Reconstitution & Storage**

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

**Precautions**

RILP Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**RILP Antibody (Internal) - Protein Information****Name** RILP**Function**

Rab effector playing a role in late endocytic transport to degradative compartments (PubMed: [11696325](http://www.uniprot.org/citations/11696325), PubMed: [14668488](http://www.uniprot.org/citations/14668488), PubMed: [27113757](http://www.uniprot.org/citations/27113757), PubMed: [11179213](http://www.uniprot.org/citations/11179213), PubMed: [12944476](http://www.uniprot.org/citations/12944476)). Involved in the regulation of lysosomal morphology and distribution (PubMed: [14668488](http://www.uniprot.org/citations/14668488), PubMed: [27113757](http://www.uniprot.org/citations/27113757)). Induces recruitment of dynein-dynactin motor complexes to Rab7A-containing late endosome and lysosome compartments (PubMed: [11179213](http://www.uniprot.org/citations/11179213), PubMed: [11696325](http://www.uniprot.org/citations/11696325)). Promotes centripetal migration of phagosomes and the fusion

of phagosomes with the late endosomes and lysosomes (PubMed:<a href="http://www.uniprot.org/citations/12944476" target="\_blank">12944476</a>).

**Cellular Location**

Late endosome membrane. Lysosome membrane. Cytoplasmic vesicle, phagosome membrane. Note=Associated with late endosomal, lysosomal and phagosomal membranes. The interaction with RAB7A is necessary for its recruitment to phagosomes

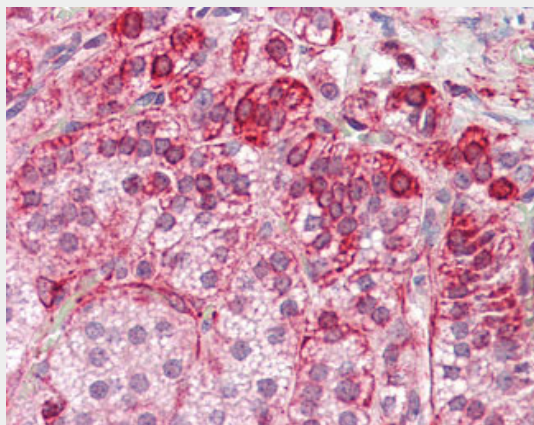
**Tissue Location**

Ubiquitous. Strongly expressed in fetal heart, heart, stomach, spleen, adrenal gland, thyroid gland, salivary gland, fetal liver, liver and lung. Poorly expressed in brain

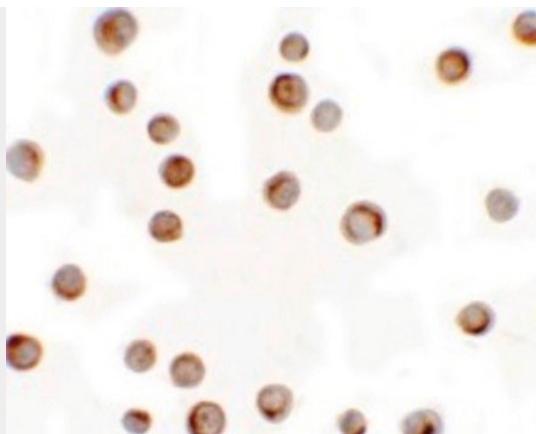
**RILP Antibody (Internal) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

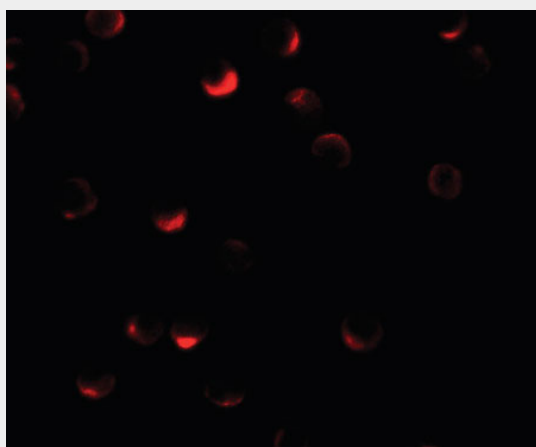
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**RILP Antibody (Internal) - Images**

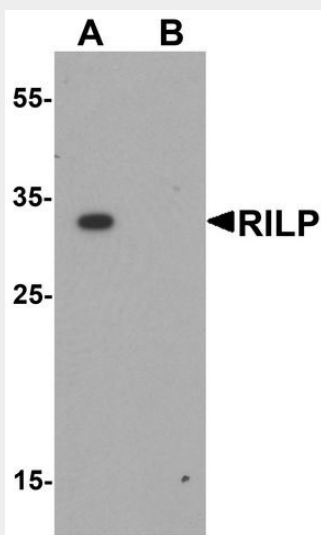
Anti-RILP antibody IHC staining of human adrenal.



Immunocytochemistry of RILP in HeLa cells with RILP antibody at 2.5 ug/ml.



Immunofluorescence of RILP in HeLa cells with RILP antibody at 20 ug/ml.



Western blot analysis of RILP in A20 cell lysate with RILP antibody at 1 ug/ml.

#### **RILP Antibody (Internal) - Background**

Rab effector playing a role in late endocytic transport to degradative compartments. Involved in the regulation of lysosomal morphology and distribution. Induces recruitment of dynein-dynactin motor complexes to Rab7A-containing late endosome and lysosome compartments. Promotes centripetal migration of phagosomes and the fusion of phagosomes with the late endosomes and

lysosomes.

#### **RILP Antibody (Internal) - References**

Cantalupo G.,et al.EMBO J. 20:683-693(2001).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Wan D.,et al.Proc. Natl. Acad. Sci. U.S.A. 101:15724-15729(2004).

Frigimelica E.,et al.Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.

Bucci C.,et al.Biochem. Biophys. Res. Commun. 286:815-819(2001).