

**RAB7L1 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50582****Specification**

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**RAB7L1 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O14966</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>23 20 15 KDa</b>
Antigen Region	<b>123-150</b>

**RAB7L1 Antibody - Additional Information****Gene ID** 8934**Other Names**

Ras-related protein Rab-7L1, Rab-7-like protein 1, Ras-related protein Rab-29, RAB29, RAB7L1

**Dilution**

WB~~ 1:1000

**Format**Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

**RAB7L1 Antibody - Protein Information****Name** RAB29**Synonyms** RAB7L1**Function**

The small GTPases Rab are key regulators in vesicle trafficking (PubMed:<a href="http://www.uniprot.org/citations/24788816" target="\_blank">24788816</a>). Essential for maintaining the integrity of the endosome-trans-Golgi network structure (By similarity). Together with LRRK2, plays a role in the retrograde trafficking pathway for recycling proteins, such as mannose 6 phosphate receptor (M6PR), between lysosomes and the Golgi apparatus in a retromer-dependent manner (PubMed:<a href="http://www.uniprot.org/citations/24788816" target="\_blank">24788816</a>). Recruits LRRK2 to the Golgi complex and stimulates LRRK2 kinase activity (PubMed:<a href="http://www.uniprot.org/citations/29212815" target="\_blank">29212815</a>). Regulates neuronal process morphology in the intact central nervous system (CNS) (By similarity). May play a role in the formation of typhoid toxin transport

intermediates during Salmonella enterica serovar Typhi (S.Typhi) epithelial cell infection (PubMed:<a href="http://www.uniprot.org/citations/22042847" target="\_blank">22042847</a>).

### Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side. Cytoplasm. Cytoplasm, perinuclear region. Golgi apparatus. Golgi apparatus, trans-Golgi network. Vacuole. Cytoplasm, cytoskeleton.

Note=Colocalizes with LRRK2 along tubular structures emerging from Golgi apparatus (PubMed:29212815) Colocalizes with GM130 at the Golgi apparatus (PubMed:22042847)

Colocalizes with dynamic tubules emerging from and retracting to the Golgi apparatus (PubMed:22042847). Colocalizes with TGN46 at the trans- Golgi network (TGN)

(PubMed:24788816). In Salmonella enterica serovar Typhi (S.Typhi) infected epithelial cells, is recruited and colocalized with both S.Typhi-containing vacuoles and dynamic tubules as well as those emerging from the vacuole toward the cell periphery (PubMed:22042847).

### Tissue Location

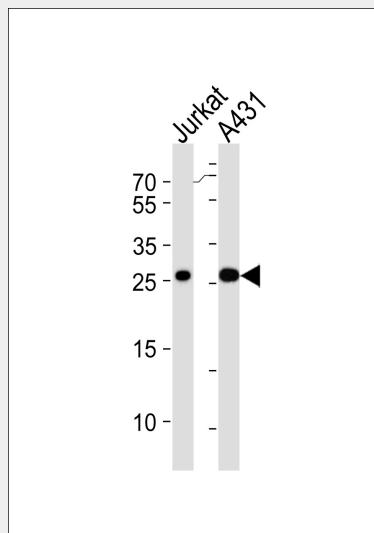
Ubiquitous..

## RAB7L1 Antibody - 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](#)

## RAB7L1 Antibody - Images



Western blot analysis of lysates from Jurkat,A431 cell line (from left to right),using RAB7L1 Antibody(AP50582). AP50582 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

## RAB7L1 Antibody - References

Shimizu F., et al. Cytogenet. Cell Genet. 77:261-263(1997).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Gregory S.G., et al. Nature 441:315-321(2006).  
Dephoure N., et al. Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).  
Olsen J.V., et al. Sci. Signal. 3:RA3-RA3(2010).