

**Anti-RAB7L1 Antibody**  
**Rabbit polyclonal antibody to RAB7L1**  
**Catalog # AP59762**

**Specification**

**Anti-RAB7L1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">014966</a>
Other Accession	<a href="#">091Y01</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23155

**Anti-RAB7L1 Antibody - Additional Information**

**Gene ID** 8934

**Other Names**

Ras-related protein Rab-7L1; Rab-7-like protein 1

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RAB7L1. The exact sequence is proprietary.

**Dilution**

WB~~WB (1/500 - 1/1000)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-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>).

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>, PubMed:<a href="http://www.uniprot.org/citations/38127736" target="\_blank">38127736</a>). Stimulates phosphorylation of RAB10 'Thr-73' by LRRK2 (PubMed:<a href="http://www.uniprot.org/citations/38127736" target="\_blank">38127736</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 membrane. 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, PubMed:38127736). 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

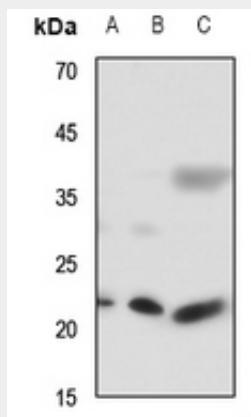
Ubiquitous..

### Anti-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](#)

### Anti-RAB7L1 Antibody - Images



Western blot analysis of RAB7L1 expression in mouse lung (A), mouse kidney (B), rat kidney (C)

whole cell lysates.

#### **Anti-RAB7L1 Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RAB7L1. The exact sequence is proprietary.