

**Rab29 Rabbit mAb**  
**Catalog # AP76682****Specification**

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**Rab29 Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O14966</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>23155</b>

**Rab29 Rabbit mAb - Additional Information****Gene ID** 8934**Other Names**  
RAB29**Dilution**  
WB~~1/500-1/1000**Format**  
Liquid**Rab29 Rabbit mAb - 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>, 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..

### Rab29 Rabbit mAb - 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](#)

### Rab29 Rabbit mAb - Images

