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# RAB35 Antibody (C-term)

**Affinity Purified Rabbit Polyclonal Antibody (Pab)**

**Catalog # AP18164b**

## Specification

### RAB35 Antibody (C-term) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | Q15286 |
| Other Accession | Q5U316, Q6PHN9, NP_001161078.1 |
| Reactivity | **Human** |
| Predicted | **Mouse, Rat** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **23025** |
| Antigen Region | **171-199** |

### RAB35 Antibody (C-term) - Additional Information

**Gene ID** 11021

**Other Names**
Ras-related protein Rab-35, GTP-binding protein RAY, Ras-related protein Rab-1C, RAB35, RAB1C, RAY

**Target/Specificity**
This RAB35 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 171-199 amino acids from the C-terminal region of human RAB35.

**Dilution**
WB~~1:1000
E~~Use at an assay dependent concentration.

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
RAB35 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### RAB35 Antibody (C-term) - Protein Information

**Name** RAB35 (HGNC:9774)

**Synonyms** RAB1C, RAY

**Function** The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (PubMed:30905672). RAB35 is involved in the process of endocytosis and is an essential rate- limiting regulator of the fast recycling pathway back to the plasma membrane (PubMed:21951725). During cytokinesis, required for the postfurrowing terminal steps, namely for intercellular bridge stability and abscission, possibly by controlling phosphatidylinositol 4,5-bis phosphate (PIP2) and SEPT2 localization at the intercellular bridge (PubMed:16950109). May indirectly regulate neurite outgrowth. Together with TBC1D13 may be involved in regulation of insulin-induced glucose transporter SLC2A4/GLUT4 translocation to the plasma membrane in adipocytes (By similarity).

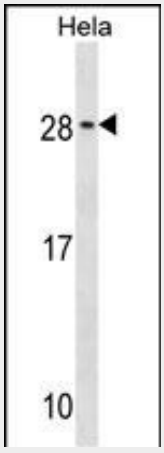
**Cellular Location**
Cell membrane; Lipid-anchor; Cytoplasmic side. Membrane, clathrin- coated pit. Cytoplasmic vesicle, clathrin-coated vesicle. Endosome. Melanosome. Note=Present on sorting endosomes and recycling endosome tubules (PubMed:16950109). Tends to be enriched in PIP2-positive cell membrane domains (PubMed:16950109). During mitosis, associated with the plasma membrane and present at the ingressing furrow during early cytokinesis as well as at the intercellular bridge later during cytokinesis (PubMed:16950109). Identified in stage I to stage IV melanosomes (PubMed:17081065). Colocalizes with ACAP2 and RUSC2 at the membrane protrusions of HEK293T cells (PubMed:30905672)

## RAB35 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## RAB35 Antibody (C-term) - Images



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RAB35 Antibody (C-term) (Cat. #AP18164b) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the RAB35 antibody detected the RAB35 protein (arrow).

**RAB35 Antibody (C-term) - Background**

RAB35 possesses GTPase activity.

**RAB35 Antibody (C-term) - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Zhang, J., et al. Science 325(5945):1250-1254(2009)
Patino-Lopez, G., et al. J. Biol. Chem. 283(26):18323-18330(2008)
Chi, A., et al. J. Proteome Res. 5(11):3135-3144(2006)
Kouranti, I., et al. Curr. Biol. 16(17):1719-1725(2006)