

Anti-RAB35 Antibody
Rabbit polyclonal antibody to RAB35
Catalog # AP59806**Specification**

Anti-RAB35 Antibody - Product Information

Application	WB
Primary Accession	Q15286
Other Accession	Q6PHN9
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23025

Anti-RAB35 Antibody - Additional Information**Gene ID** 11021**Other Names**

RAB1C; RAY; Ras-related protein Rab-35; GTP-binding protein RAY; Ras-related protein Rab-1C

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RAB35. 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-RAB35 Antibody - 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 postfurling 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

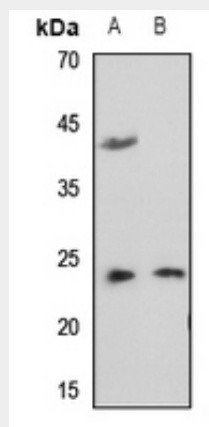
Cell membrane; Lipid-anchor; Cytoplasmic side. Membrane, clathrin-coated pit. Cytoplasmic vesicle, clathrin-coated vesicle. Endosome. Melanosome. Note=Present on sorting endosomes and recycling endosome tubules (PubMed:16950109). Tends to be enriched in PIP2-positive cell membrane domains (PubMed:16950109). 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)

Anti-RAB35 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-RAB35 Antibody - Images



Western blot analysis of RAB35 expression in mouse liver (A), rat liver (B) whole cell lysates.

Anti-RAB35 Antibody - Background

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