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# Anti-RAB35 Antibody (Internal)

**Rabbit Anti Human Polyclonal Antibody**
**Catalog # ALS17429**

## Specification

### Anti-RAB35 Antibody (Internal) - Product Information

| | |
|---|---|
| Application | **WB, IHC-P** |
| Primary Accession | Q15286 |
| Predicted | **Human, Mouse, Rat, Bovine** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **23025** |
| Dilution | **WB~~1:1000**<br>**IHC-P~~N/A** |

### Anti-RAB35 Antibody (Internal) - Additional Information

**Gene ID** 11021

| | |
|---|---|
| Alias Symbol | **RAB35** |

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

**Target/Specificity**
Recognizes endogenous levels of RAB35 protein.

**Reconstitution & Storage**
PBS, pH 7.3, 0.01% sodium azide, 30% glycerol. Store at -20°C. Aliquot to avoid freeze/thaw cycles.

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

### Anti-RAB35 Antibody (Internal) - 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:<a href="http://www.uniprot.org/citations/30905672" target="_blank">30905672</a>). 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:<a href="http://www.uniprot.org/citations/21951725" target="_blank">21951725</a>). 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:<a href="http://www.uniprot.org/citations/16950109" target="_blank">16950109</a>). 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 (Internal) - 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

## Anti-RAB35 Antibody (Internal) - Images