

# Anti-RAB35 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17429

## Product Information

<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">Q15286</a>
<b>Predicted</b>	Human, Mouse, Rat, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	23025
<b>Concentration (mg/ml)</b>	1 mg/ml

## Additional Information

<b>Gene ID</b>	11021
<b>Alias Symbol</b>	RAB35
<b>Other Names</b>	RAB35, GTP-binding protein RAY, H-ray, RAB1C, Ras-related protein Rab-35, Ras-related protein Rab-1C, RAY
<b>Target/Specificity</b>	Recognizes endogenous levels of RAB35 protein.
<b>Reconstitution &amp; Storage</b>	PBS, pH 7.3, 0.01% sodium azide, 30% glycerol. Store at -20°C. Aliquot to avoid freeze/thaw cycles.
<b>Precautions</b>	Anti-RAB35 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	RAB35 ( <a href="#">HGNC:9774</a> )
<b>Synonyms</b>	RAB1C, RAY
<b>Function</b>	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="#">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="#">21951725</a> ). 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)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.