

**Anti-RAB31 Antibody (Internal)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18436****Specification**

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**Anti-RAB31 Antibody (Internal) - Product Information**

Application	WB, IHC-P, IF, ICC
Primary Accession	<a href="#">Q13636</a>
Predicted	Human, Mouse, Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21700

**Anti-RAB31 Antibody (Internal) - Additional Information****Gene ID** 11031**Alias Symbol** **RAB31****Other Names**

RAB31, Rab22B, Ras-related protein Rab-31, Ras-related protein Rab-22B

**Target/Specificity**

Recognizes endogenous levels of RAB31 protein.

**Reconstitution & Storage**

Immunoaffinity purified

**Precautions**

Anti-RAB31 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-RAB31 Antibody (Internal) - Protein Information****Name** RAB31**Synonyms** RAB22B**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 set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. Required for the integrity and for normal function of the Golgi apparatus and the trans-Golgi network. Plays a role in insulin-stimulated translocation of GLUT4 to the cell membrane. Plays a role in M6PR transport from the trans-Golgi network to endosomes. Plays a role in the internalization of EGFR from the cell membrane into endosomes. Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis.

**Cellular Location**

Golgi apparatus, trans-Golgi network. Golgi apparatus, trans-Golgi network membrane; Lipid-anchor; Cytoplasmic side. Early endosome. Cytoplasmic vesicle, phagosome. Cytoplasmic vesicle, phagosome membrane; Lipid-anchor; Cytoplasmic side. Note=Rapidly recruited to phagosomes containing S.aureus or M.tuberculosis (PubMed:21255211)

**Tissue Location**

Highest expression in placenta and brain with lower levels in heart and lung. Not detected in liver, skeletal muscle, kidney or pancreas.

**Anti-RAB31 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 Cytometry](#)
- [Cell Culture](#)

**Anti-RAB31 Antibody (Internal) - Images**