

Anti-RAB5A / RAB5 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18322

Specification

Anti-RAB5A / RAB5 Antibody - Product Information

Application	WB, IHC-P, IF
Primary Accession	P20339
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	23659

Anti-RAB5A / RAB5 Antibody - Additional Information

Gene ID 5868

Alias Symbol RAB5A

Other Names

RAB5A, Ras-related protein Rab-5A, RAS-associated protein RAB5A, RAB5

Target/Specificity

Human RAB5A / RAB5

Reconstitution & Storage

Affinity purified

Precautions

Anti-RAB5A / RAB5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-RAB5A / RAB5 Antibody - Protein Information

Name RAB5A

Synonyms RAB5

Function

Small GTPase which cycles between active GTP-bound and inactive GDP-bound states. In its active state, binds to a variety of effector proteins to regulate cellular responses such as of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Active GTP-bound form is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. RAB5A is required for the fusion of plasma membranes and early endosomes (PubMed:[10818110](http://www.uniprot.org/citations/10818110), PubMed:[14617813](http://www.uniprot.org/citations/14617813), PubMed:[15378032](http://www.uniprot.org/citations/15378032), PubMed:[15378032](http://www.uniprot.org/citations/15378032)),

[16410077](http://www.uniprot.org/citations/16410077)). Contributes to the regulation of filopodia extension (PubMed:<[14978216](http://www.uniprot.org/citations/14978216)>). Required for the exosomal release of SDCBP, CD63, PDCD6IP and syndecan (PubMed:<[22660413](http://www.uniprot.org/citations/22660413)>). Regulates maturation of apoptotic cell-containing phagosomes, probably downstream of DYN2 and PIK3C3 (By similarity).

Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side. Early endosome membrane; Lipid- anchor. Melanosome. Cytoplasmic vesicle. Cell projection, ruffle {ECO:0000250|UniProtKB:P18066}. Membrane Cytoplasm, cytosol. Cytoplasmic vesicle, phagosome membrane {ECO:0000250|UniProtKB:Q9CQD1}. Endosome membrane Note=Enriched in stage I melanosomes (PubMed:17081065). Alternates between membrane-bound and cytosolic forms (Probable) {ECO:0000269|PubMed:17081065, ECO:0000305}

Anti-RAB5A / RAB5 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-RAB5A / RAB5 Antibody - Images