

Rab5 Rabbit mAb
Catalog # AP75987**Specification**

Rab5 Rabbit mAb - Product Information

Application	WB, IHC
Primary Accession	P20339
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	23659

Rab5 Rabbit mAb - Additional Information**Gene ID** 5868**Other Names**

RAB5A

Dilution

WB~~1/500-1/1000

IHC~~1/50-1/100

Format

Liquid

Rab5 Rabbit mAb - 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:[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}

Rab5 Rabbit mAb - 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](#)

Rab5 Rabbit mAb - Images



