

**Rab4 Antibody**  
Rabbit mAb  
Catalog # AP90361

## Specification

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### Rab4 Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	<a href="#">P20338</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
Rab4 ; RAB4A; HRES 1 ;RAB4; Ras related protein Rab 4A;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	24390 Da

### Rab4 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human Rab4</b>
Description	<b>The protein encoded by this gene belongs to the rab family. Rab4A protein is involved in the regulation of procathepsin L secretion, it was either inhibited by expression of a Rab4A dominant-negative mutant or increased by overexpression of the wild-type Rab4A in human melanoma cells.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### Rab4 Antibody - Protein Information

**Name** RAB4A

**Synonyms** RAB4

#### Function

Small GTPase which cycles between an active GTP-bound and an inactive GDP-bound state (PubMed: [15907487](http://www.uniprot.org/citations/15907487)), PubMed: [16034420](http://www.uniprot.org/citations/16034420)). Involved in protein transport (PubMed: [29425100](http://www.uniprot.org/citations/29425100)). Plays a role in vesicular traffic. Mediates VEGFR2 endosomal trafficking to enhance VEGFR2 signaling (PubMed: )

<http://www.uniprot.org/citations/29425100>). Acts as a regulator of platelet alpha- granule release during activation and aggregation of platelets (By similarity).

#### Cellular Location

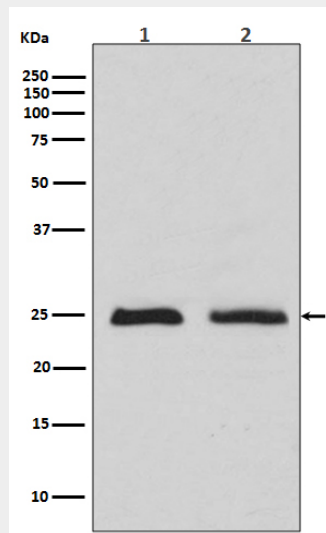
Membrane; Peripheral membrane protein. Cytoplasm Early endosome membrane {ECO:0000250|UniProtKB:P05714}; Peripheral membrane protein {ECO:0000250|UniProtKB:P05714}. Recycling endosome membrane {ECO:0000250|UniProtKB:P05714}; Peripheral membrane protein {ECO:0000250|UniProtKB:P05714}. Note=Generally associated with membranes. Cytoplasmic when phosphorylated by CDK1

#### Rab4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

#### Rab4 Antibody - Images



Western blot analysis of Rab4 expression in (1)MCF7 cell lysates (2)HeLa cell lysate.