

**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

**Other Names**

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:<a href="http://www.uniprot.org/citations/15907487" target="\_blank">15907487</a>, PubMed:<a href="http://www.uniprot.org/citations/16034420" target="\_blank">16034420</a>). Involved in protein transport (PubMed:<a href="http://www.uniprot.org/citations/29425100" target="\_blank">29425100</a>). Plays a role in vesicular traffic. Mediates VEGFR2 endosomal trafficking to enhance VEGFR2 signaling (PubMed:<a href="http://www.uniprot.org/citations/29425100" target="\_blank">29425100</a>).

href="http://www.uniprot.org/citations/29425100" target="\_blank">29425100</a>). 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

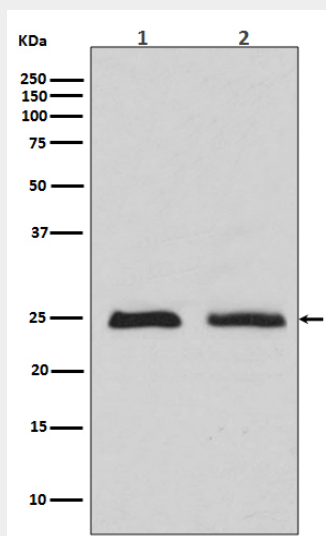
{ECO:0000250|UniProtKB:P05714}. Note=Generally associated with membranes. Cytoplasmic when phosphorylated by CDK1

#### 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](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Rab4 Antibody - Images



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