

**Anti-Rab4A/Rab4 Rabbit Monoclonal Antibody**  
**Catalog # ABO13584****Specification**

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**Anti-Rab4A/Rab4 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IF, ICC, IP
Primary Accession	<a href="#">P20338</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Rab4A/Rab4 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

**Anti-Rab4A/Rab4 Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 5867

**Other Names**

Ras-related protein Rab-4A, 3.6.5.2, RAB4A, RAB4

**Calculated MW**

24390 MW KDa

**Application Details**

WB 1:1000-1:2000<br>ICC/IF 1:50-1:200<br>IP 1:50

**Subcellular Localization**

Membrane; Peripheral membrane protein. Cytoplasm. Generally associated with membranes. Cytoplasmic when phosphorylated by CDK1.

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Rab4A

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-Rab4A/Rab4 Rabbit Monoclonal Antibody - Protein Information**

**Name** RAB4A ([HGNC:9781](#))

**Synonyms** RAB4

### 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 sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (PubMed: [15907487](http://www.uniprot.org/citations/15907487), PubMed: [16034420](http://www.uniprot.org/citations/16034420)). RAB4A is involved in protein transport (PubMed: [29425100](http://www.uniprot.org/citations/29425100)). Also plays a role in vesicular traffic. Mediates VEGFR2 endosomal trafficking to enhance VEGFR2 signaling (PubMed: [29425100](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

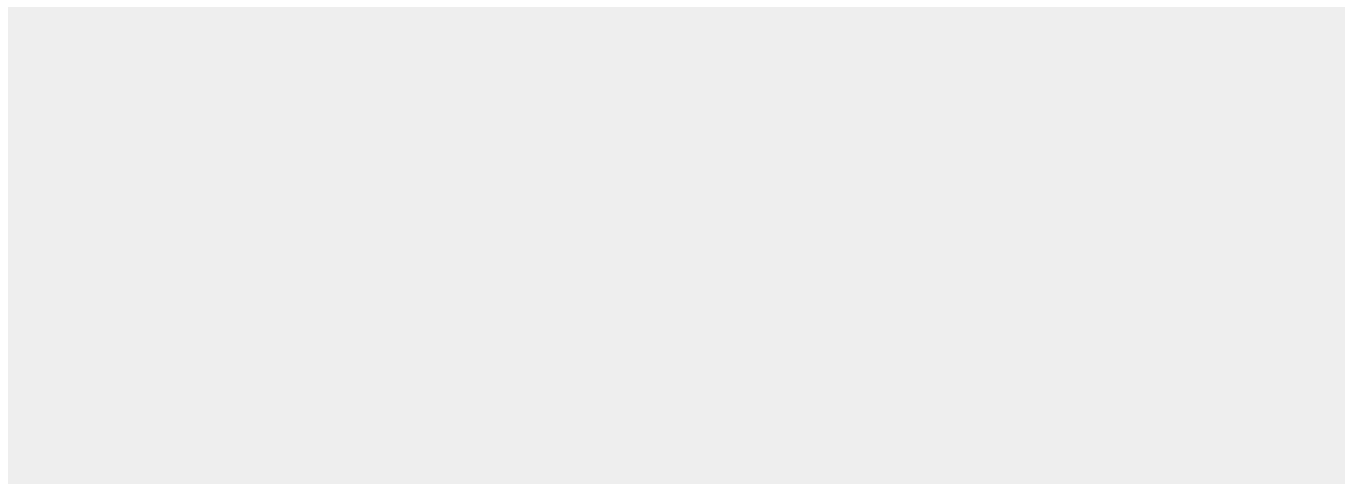
Membrane; Peripheral membrane protein. Cytoplasm Early endosome membrane {ECO:0000250|UniProtKB:P05714}; Peripheral membrane protein {ECO:0000250|UniProtKB:P05714}. Recycling endosome membrane {ECO:0000250|UniProtKB:P05714}; Peripheral membrane protein {ECO:0000250|UniProtKB:P05714}. Note=Generally associated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

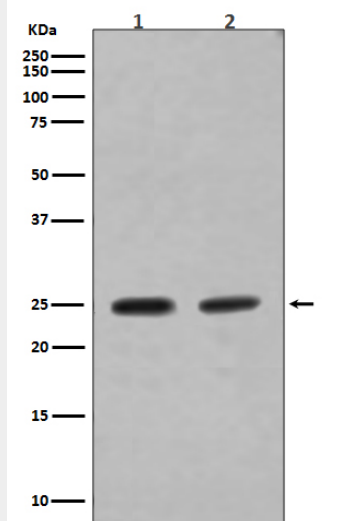
### Anti-Rab4A/Rab4 Rabbit Monoclonal Antibody - Protocols

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

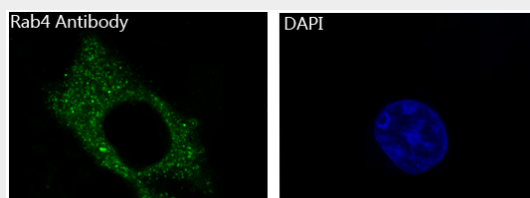
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-Rab4A/Rab4 Rabbit Monoclonal Antibody - Images





Western blot analysis of Rab4A expression in (1) SH-SY5Y cell lysate; (2) MCF-7 cell lysate.



Immunofluorescent analysis of HeLa cells, using Rab4A Antibody.