

Anti-Rab4A/Rab4 Rabbit Monoclonal Antibody

Catalog # ABO13584

Product Information

Application	WB, IF, ICC, IP
Primary Accession	P20338
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.

Additional Information

Gene ID	5867
Other Names	Ras-related protein Rab-4A, 3.6.5.2, RAB4A, RAB4
Calculated MW	24390
Application Details	WB 1:1000-1:2000 ICC/IF 1:50-1:200 IP 1:50
Subcellular Localization	Membrane; Peripheral membrane protein. Cytoplasm. Generally associated with membranes. Cytoplasmic when phosphorylated by CDK1.
Source	Eukaryota
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.
Clone Names	Clone: ACF-18
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.

Protein Information

Name	RAB4A (HGNC:9781)
Synonyms	RAB4

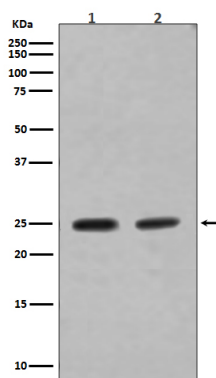
Function

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](#), PubMed:[16034420](#)). RAB4A is involved in protein transport (PubMed:[29425100](#)). Also plays a role in vesicular traffic. Mediates VEGFR2 endosomal trafficking to enhance VEGFR2 signaling (PubMed:[29425100](#)). Acts as a regulator of platelet alpha-granule release during activation and aggregation of platelets (By similarity).

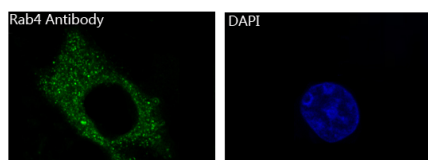
Cellular Location

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

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.