

Anti-Rab4 RAB4A Rabbit Monoclonal Antibody

Catalog # ABO13352

Specification

Anti-Rab4 RAB4A Rabbit Monoclonal Antibody - Product Information

Application WB, IF, ICC, FC

Primary Accession
Host
Rabbit
Isotype
Rabbit IgG

Reactivity Rat, Human, Mouse

Clonality Monoclonal Format Liquid

Description

Anti-Rab4 RAB4A Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, Flow Cytometry applications.

This antibody reacts with Human, Mouse, Rat.

Anti-Rab4 RAB4A 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 1:500-1:2000
ICC/IF 1:50-1:200
FC 1:50</br>

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 Rab4

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-Rab4 RAB4A 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, 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

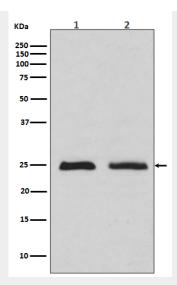
Anti-Rab4 RAB4A Rabbit Monoclonal Antibody - Protocols

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

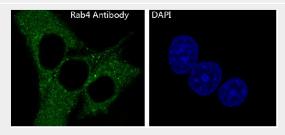
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Rab4 RAB4A Rabbit Monoclonal Antibody - Images

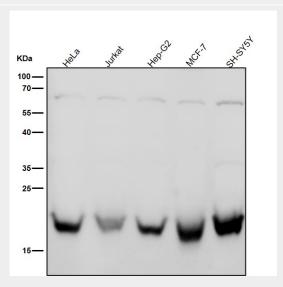




Western blot analysis of Rab4 expression in (1)MCF7 cell lysates (2)HeLa cell lysate.



Immunofluorescent analysis of Hela cells, using Rab4 Antibody.



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.