

Rab4 Antibody

Rabbit mAb Catalog # AP90361

Specification

Rab4 Antibody - Product Information

Application WB, FC, ICC
Primary Accession P20338
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 Affinity-chromatography

Immunogen A synthesized peptide derived from human

Rab4

Description 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.

Storage Condition and Buffer 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.

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, PubMed:16034420). Involved in protein transport (PubMed:29425100). 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). 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

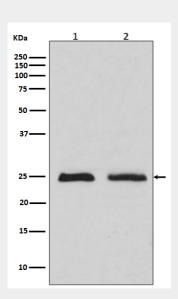
when phosphorylated by CDK1

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 Cytomety
- Cell Culture

Rab4 Antibody - Images



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