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Rab4A Antibody

Rabbit mAb
Catalog # AP90150

Product Information

Application	WB, IF, ICC, IP
Primary Accession	P20338
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Rab4; RAB4A; HRES 1; RAB4; Ras related protein Rab 4A;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	24390

Additional Information

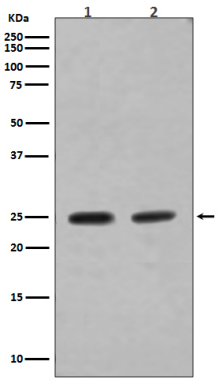
Dilution	WB 1:1000~1:2000 ICC/IF 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Rab4A
Description	The protein encoded by this gene belongs to the rab family. Rab4A protein is involved in the regulation of procathepsin L secretion, it was either 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.

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.

Image not found : 202311/AP90150-IF.jpg

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'.