

Anti-Rab 4A Antibody

Catalog # AP96022

Product Information

Application	WB, IHC, FC
Primary Accession	P20338
Reactivity	Human, Mouse, Mk
Host	Mouse
Clonality	Monoclonal
Calculated MW	24390

Additional Information

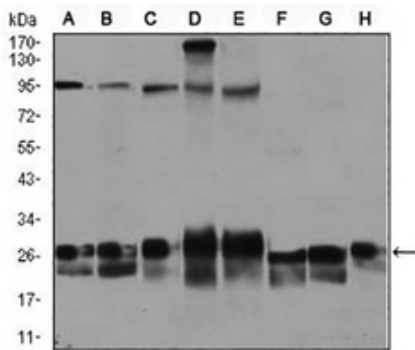
Gene ID	5867
Other Names	RAB4; Ras-related protein Rab-4A
Target/Specificity	Recombinant fusion protein of human Rab 4A expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

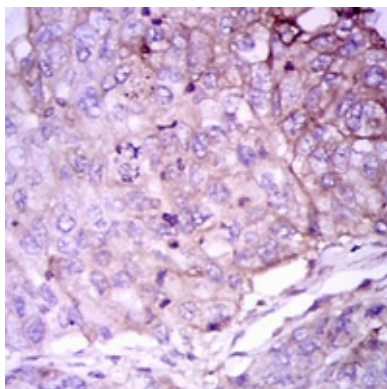
Name	RAB4A (HGNC:9781)
Synonyms	RAB4
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to 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

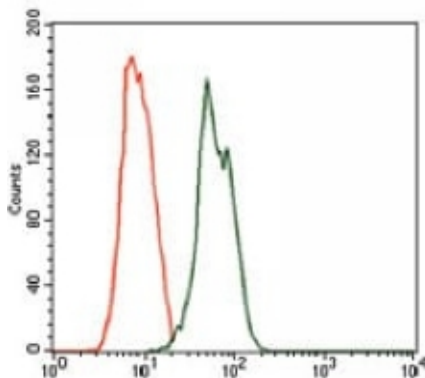
Images



Western blot analysis of Rab 4A expression in Jurkat (A), HeLa (B), A549 (C), HEK293 (D), K562 (E), NIH3T3 (F), PC12 (G), COS7 (H) whole cell lysates. (Predicted band size: 24 kD; Observed band size: 26 kD)



Immunohistochemical analysis of Rab 4A staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of MCF7 cells using Anti-Rab 4A Antibody (green) and negative control (red).

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