

Anti-RAB6B Antibody

Catalog # AP96024

Product Information

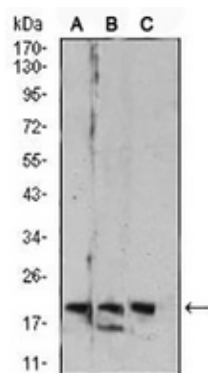
Application	WB, IHC, FC, IF/IC
Primary Accession	Q9NRW1
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	23462

Additional Information

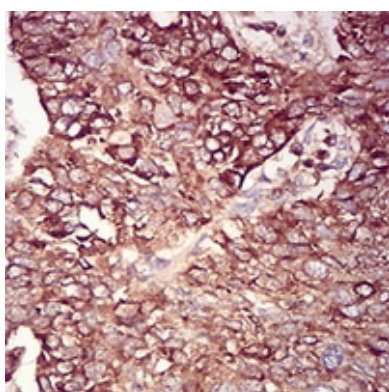
Gene ID	51560
Other Names	Ras-related protein Rab-6B
Target/Specificity	Recombinant fusion protein of human RAB6B expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

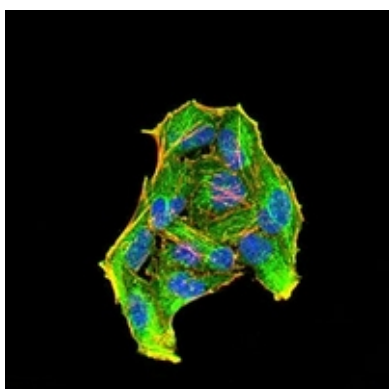
Name	RAB6B (HGNC:14902)
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between active GTP-bound and inactive GDP-bound states. In their active state, drive transport of vesicular carriers from donor organelles to acceptor organelles to regulate the membrane traffic that maintains organelle identity and morphology (By similarity). Recruits VPS13B to the Golgi membrane (PubMed: 25492866). Regulates the compacted morphology of the Golgi (PubMed: 26209634). Seems to have a role in retrograde membrane traffic at the level of the Golgi complex. May function in retrograde transport in neuronal cells (PubMed: 17707369). Plays a role in neuron projection development (PubMed: 25492866).
Cellular Location	Golgi apparatus membrane; Lipid-anchor. Endoplasmic reticulum-Golgi intermediate compartment Cytoplasmic vesicle. Note=Colocalizes with BICD1 at vesicular structures that align along microtubules
Tissue Location	Predominantly expressed in brain.



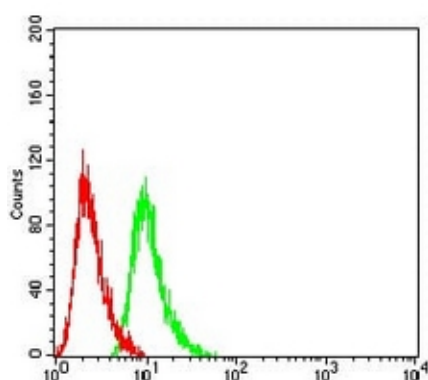
Western blot analysis of RAB6B expression in C6 (A), HT29 (B), PC12 (C) whole cell lysates. (Predicted band size: 24 kDa; Observed band size: 20 kDa)



Immunohistochemical analysis of RAB6B 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.



Immunofluorescent analysis of RAB6B staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HeLa cells using Anti-RAB6B Antibody (green) and negative control (red).

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