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Anti-RAB22A Rabbit Monoclonal Antibody

Catalog # ABO16680

Product Information

Application	WB, IP
Primary Accession	Q9UL26
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-RAB22A Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	57403
Other Names	Ras-related protein Rab-22A, Rab-22, RAB22A, RAB22
Calculated MW	21855
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200 IP 1:50
Source	Eukaryota
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.
Clone Names	Clone: 31R51
Immunogen	A synthesized peptide derived from human RAB22A
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.

Protein Information

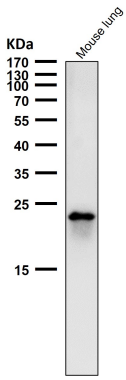
Name	RAB22A (HGNC:9764)
Synonyms	RAB22
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with

membranes (PubMed:16537905, PubMed:21849477). 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:16537905). RAB22A plays a role in endocytosis and intracellular protein transport. Mediates trafficking of transferrin/TF from early endosomes to recycling endosomes (PubMed:16537905). Required for NGF-mediated endocytosis of NTRK1, and subsequent neurite outgrowth (PubMed:21849477). Has low GTPase activity (PubMed:16537905).

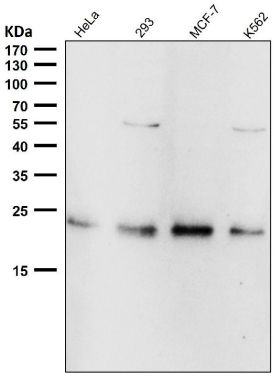
Cellular Location

Endosome membrane {ECO:0000250|UniProtKB:P51154}; Lipid-anchor. Cell membrane {ECO:0000250|UniProtKB:P51154}; Lipid-anchor. Early endosome. Late endosome {ECO:0000250|UniProtKB:P51154}. Cell projection, ruffle. Cytoplasmic vesicle. Cytoplasmic vesicle, phagosome. Cytoplasmic vesicle, phagosome membrane; Lipid-anchor; Cytoplasmic side. Note=Recruited to phagosomes containing S.aureus or M.tuberculosis.

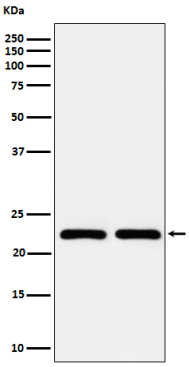
Images



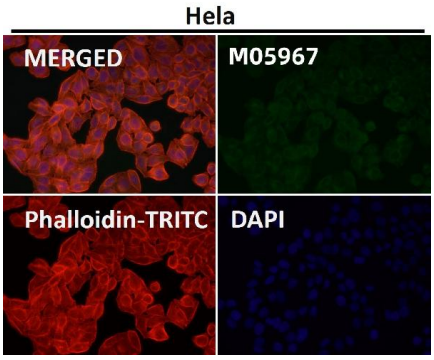
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



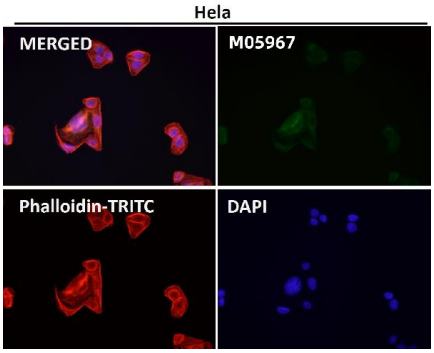
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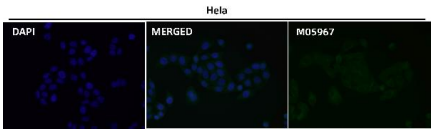
Western blot analysis of RAB22A expression in (1) MCF-7 cell lysate; (2) BxPC-3 cell lysate.



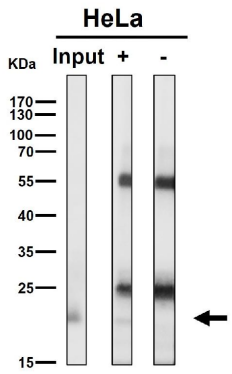
Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:150 dilution.



Immunoprecipitate (IP) analysis using the Antibody at 1:50 dilution. (wb at 1:1K dilution)

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