

RAB22A Rabbit mAb

Catalog # AP75984

Product Information

Application	WB, IP
Primary Accession	Q9UL26
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	21855

Additional Information

Gene ID	57403
Other Names	RAB22A
Dilution	WB~~1:1000-1:5000 IP~~1:10-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

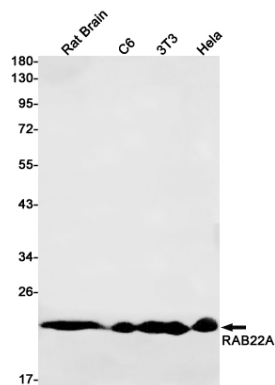
Name	RAB22A (HGNC:9764)
Synonyms	RAB22
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes (PubMed:16537905, PubMed:21849477). Rabs cycle between an inactive GDP-bound form and an active GTP-bound 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.

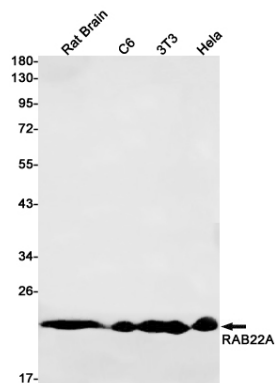
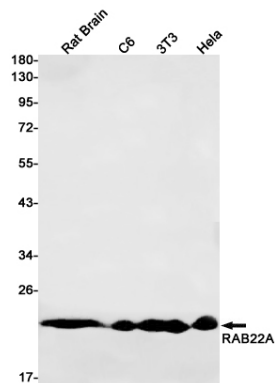
Background

The protein encoded by this gene is a member of the RAB family of small GTPases. The GTP-bound form of the encoded protein has been shown to interact with early-endosomal antigen 1, and may be involved in the trafficking of and interaction between endosomal compartments.

Images



Western blot analysis of RAB22A in rat Brain, C6, 3T3, HeLa lysates using Rab22A antibody.



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