

Anti-RAB8A antibody



Description	Unconjugated Rabbit polyclonal to RAB8A
Model	STJ191291
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human RAB8A protein.
Immunogen Region	120-200aa
Gene ID	4218
Gene Symbol	RAB8A
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	RAB8A Polyclonal Antibody detects endogenous levels of protein.
Purification	RAB8A antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ras-related protein Rab-8A Oncogene c-mel
Molecular Weight	22 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:7007OMIM:165040
Alternative Names	Ras-related protein Rab-8A Oncogene c-mel
Function	<p>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. That Rab is involved in polarized vesicular trafficking and neurotransmitter release. Together with RAB11A, RAB3IP, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and DNMBP promotes transcytosis of PODXL to the apical membrane initiation sites (AMIS), apical surface formation and lumenogenesis . Together with MYO5B and RAB11A participates in epithelial cell polarization . Plays an important role in ciliogenesis . Together with MICALL2, may also regulate adherens junction assembly . May play a role in insulin-induced transport to the plasma membrane of the glucose transporter GLUT4 and therefore play a role in glucose homeostasis . Involved in autophagy .</p>
Cellular Localization	<p>Cell membrane Golgi apparatus Recycling endosome membrane Cell projection, cilium Cytoplasmic vesicle, phagosome Cytoplasmic vesicle, phagosome membrane Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Cytoplasm, cytoskeleton, cilium basal body. Colocalizes with OPTN at the Golgi complex and in vesicular structures close to the plasma membrane . In the GDP-bound form, present in the perinuclear region . Shows a polarized distribution to distal regions of cell protrusions in the GTP-bound form . Colocalizes with PARD3, PRKCI, EXOC5, OCLN, PODXL and RAB11A in apical membrane initiation sites (AMIS) during the generation of apical surface and lumenogenesis . Localizes to tubular recycling endosome . Recruited to phagosomes containing S.aureus or M.tuberculosis .</p>