Anti-RAB17 antibody

Description	Unconjugated Rabbit polyclonal to RAB17

Model	STJ191271
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human RAB17 protein.
Immunogen Region	50-130aa
Gene ID	64284
Gene Symbol	RAB17
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	RAB17 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed in melanocytes (at protein level).
Purification	RAB17 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-17
Molecular Weight	23 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:16523OMIM:602206
Alternative Names	Ras-related protein Rab-17
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 set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. That Rab is involved in transcytosis, the directed movement of endocytosed material through the cell and its exocytosis from the plasma membrane at the opposite side. Mainly observed in epithelial cells, transcytosis mediates for instance, the transcellular transport of immunoglobulins from the basolateral surface to the apical surface. Most probably controls membrane trafficking through apical recycling endosomes in a post-endocytic step of transcytosis. Required for melanosome transport and release from melanocytes, it also regulates dendrite and dendritic spine development . May also play a role in cell migration.
Cellular Localization	Recycling endosome membrane Melanosome Cell projection, dendrite. May also localize at the basolateral and apical plasma membrane. In neurons, localizes to the cell body and dendritic shaft and spine.