Anti-RAB43 antibody

Description	Unconjugated Rabbit polyclonal to RAB43

Model	STJ191288
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human RAB43 protein.
Immunogen Region	90-170aa
Gene ID	339122
Gene Symbol	RAB43
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	RAB43 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Widely expressed in brain, testis, lung, heart, ovary, colon, kidney, uterus and spleen but not in liver.
Purification	RAB43 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-43 Ras-related protein Rab-41
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:19983OMIM:NA
Alternative Names	Ras-related protein Rab-43 Ras-related protein Rab-41
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. The low intrinsic GTPase activity of RAB43 is activated by USP6NL. Involved in retrograde transport from the endocytic pathway to the Golgi apparatus. Involved in the transport of Shiga toxin from early and recycling endosomes to the trans-Golgi network. Required for the structural integrity of the Golgi complex. Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis.
Cellular Localization	Cytoplasmic vesicle, phagosome Cytoplasmic vesicle, phagosome membrane Golgi apparatus Golgi apparatus, trans-Golgi network membrane Golgi apparatus, trans-Golgi network. Recruited to phagosomes containing S.aureus or M.tuberculosis .