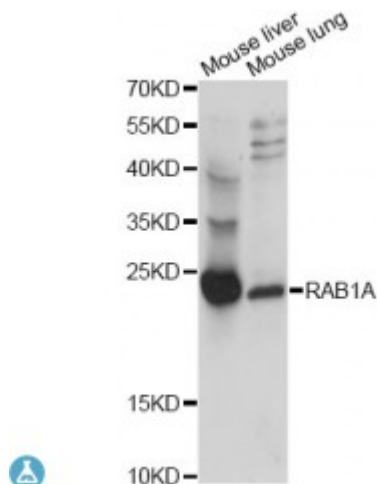


Anti-RAB1A Antibody



Description

This gene encodes a member of the Ras superfamily of GTPases. Members of the gene family cycle between inactive GDP-bound and active GTP-bound forms. This small GTPase controls vesicle traffic from the endoplasmic reticulum to the Golgi apparatus. Multiple alternatively spliced transcript variants have been identified for this gene which encode different protein isoforms.

Model	STJ116867
Host	Rabbit
Reactivity	Mouse
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human RAB1A (NP_004152.1).
Gene ID	5861
Gene Symbol	RAB1A
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Ras-related protein Rab-1A YPT1-related protein
Molecular Weight	22.678 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:9758OMIM:179508Reactome:R-HSA-162658
Alternative Names	Ras-related protein Rab-1A YPT1-related protein
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 sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion, RAB1A regulates vesicular protein transport from the endoplasmic reticulum (ER) to the Golgi compartment and on to the cell surface, and plays a role in IL-8 and growth hormone secretion, Regulates the level of CASR present at the cell membrane, Plays a role in cell adhesion and cell migration, via its role in protein trafficking, Plays a role in autophagosome assembly and cellular defense reactions against pathogenic bacteria, Plays a role in microtubule-dependent protein transport by early endosomes and in anterograde melanosome transport,
Cellular Localization	Golgi apparatus
Post-translational Modifications	Phosphorylated by CDK1 kinase during mitosis,