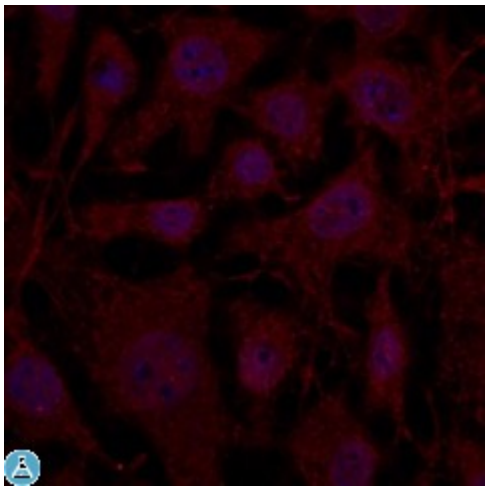
Anti-Rab11b antibody



Description	Goat polyclonal antibody to mouse Rab11b. Rab11 belongs to the small GTPase superfamily, Rab family. The protein is membrane- bound and plays essential roles in vesicle and granule targeting. Similar to Rab11a, it has been shown that Rab11b associates with recycling endosomes.

Model	STJ140069
Host	Goat
Reactivity	Avian, Bovine, Canine, Donkey, Feline, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Other, Porcine, Rabbit, Rat, Sheep, Simian
Applications	IF, WB
Immunogen	Purified recombinant peptide derived from within residues 120 aa to the C-terminus of mouse Rab11b produced in E. coli.
Immunogen Region	C-Term
Gene ID	9230
Gene Symbol	RAB11B
Dilution range	Western blot 1:250-1:2,000 Immunofluorescence 1:50-1:250 Immunohistochemistry (paraffin) 1:100-1:400 Immunohistochemistry (frozen) 1:100-1:400
Purification	This antibody is epitope-affinity purified from goat antiserum.
Note	For research use only (RUO).
Protein Name	Ras-related protein Rab-11B (GTP-binding protein YPT3)
Molecular Weight	25 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS, 20% glycerol and 0.05% sodium azide.
Concentration	3 mg/mL
Storage Instruction	Store at -20°, and avoid repeated freeze-thaw cycles.
Database Links	HGNC:9761OMIM:604198
Alternative Names	Ras-related protein Rab-11B (GTP-binding protein YPT3)
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 plays a role in endocytic recycling, regulating apical recycling of several transmembrane proteins including cystic fibrosis transmembrane conductance regulator/CFTR, epithelial sodium channel/ENaC, potassium voltage-gated channel, and voltage-dependent L-type calcium channel. May also regulate constitutive and regulated secretion, like insulin granule exocytosis. Required for melanosome transport and release from melanocytes. Also regulates V-ATPase intracellular transport in response to extracellular acidosis.
Cellular Localization	Recycling endosome membrane Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane Cytoplasmic vesicle, phagosome membrane. Recruited to phagosomes containing S.aureus.
Post-translational Modifications	Citrullinated by PADI4.