

ARG42518
anti-RAB11B antibodyPackage: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes RAB11B
Tested Reactivity	Hu, Ms, Rat, Dog, Mk
Tested Application	ICC/IF, IHC-Fr, IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	RAB11B
Species	Mouse
Immunogen	Purified recombinant peptide within aa. 120 to the C-terminus of Mouse RAB11B.
Conjugation	Un-conjugated
Alternate Names	GTP-binding protein YPT3; H-YPT3; Ras-related protein Rab-11B

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:250
	IHC-Fr	1:100 - 1:400
	IHC-P	1:100 - 1:400
	WB	1:250 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat-induced. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	IMCD3, AtT-20, kidney and spleen	
Observed Size	~ 27 kDa	

Properties

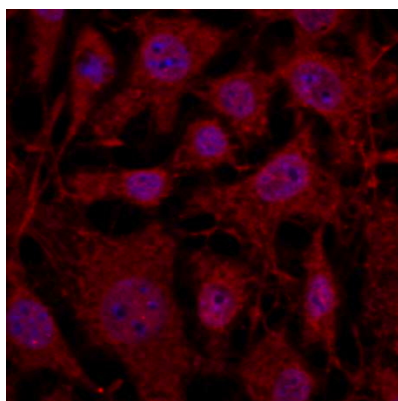
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.05% Sodium azide and 20% Glycerol.
Preservative	0.05% Sodium azide
Stabilizer	20% Glycerol
Concentration	3 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

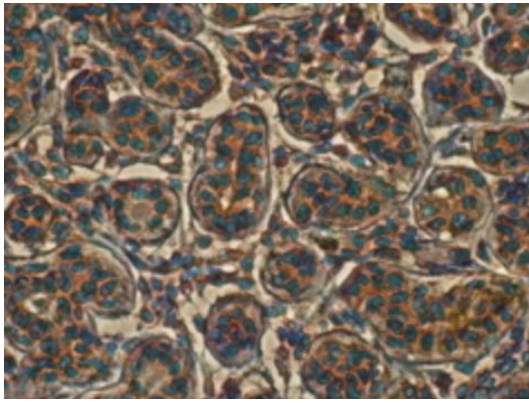
Gene Symbol	RAB11B
Gene Full Name	RAB11B, member RAS oncogene family
Background	The Ras superfamily of small GTP-binding proteins, which includes the Ras (see MIM 190020), Ral (see MIM 179550), Rho (see MIM 165390), Rap (see MIM 179520), and Rab (see MIM 179508) families, is involved in controlling a diverse set of essential cellular functions. The Rab family, including RAB11B, appears to play a critical role in regulating exocytotic and endocytotic pathways (summary by Zhu et al., 1994 [PubMed 7811277]).[supplied by OMIM, Nov 2010]
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 small Rab GTPase RAB11B 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. [UniProt]
Calculated Mw	24 kDa
PTM	Citrullinated by PADI4. [UniProt]
Cellular Localization	Recycling endosome membrane; Lipid-anchor; Cytoplasmic side. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Lipid-anchor; Cytoplasmic side. Cytoplasmic vesicle, phagosome membrane; Lipid-anchor; Cytoplasmic side. Note=Recruited to phagosomes containing S.aureus. [UniProt]

Images



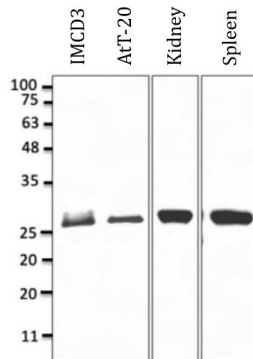
ARG42518 anti-RAB11B antibody ICC/IF image

Immunofluorescence: NIH/3T3 cells were fixed with methanol and permeabilized with 0.1% Saponin. Cells were stained with ARG42518 anti-RAB11B antibody at 1:100 dilution.



ARG42518 anti-RAB11B antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human mammary tissue. Antigen Retrieval: Heat-induced. The tissue section was stained with ARG42518 anti-RAB11B antibody at 1:200 dilution.



ARG42518 anti-RAB11B antibody WB image

Western blot: 50 ng of IMCD3, AtT-20, kidney and spleen lysates stained with ARG42518 anti-RAB11B antibody at 1:500 dilution.