

For Research Use Only

CoraLite® Plus 488-conjugated RAB1B Recombinant monoclonal antibody

Catalog Number: CL488-83687-4



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-83687-4	BC071169	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	81876	240635D9
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	Q9HOU4	IF/ICC: 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima
IgG	RAB1B, member RAS oncogene family	wavelengths:
Immunogen Catalog Number:	Calculated MW:	493 nm / 522 nm
AG12197	201 aa, 22 kDa	
	Observed MW:	
	22 kDa	

Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : MCF-7 cells,
Species Specificity:	
human, mouse, rat	

Background Information

Ras-related protein Rab-1B (RAB1B) belongs to the small GTPase superfamily and Rab family. Rab1b, a GTPase regulating secretory transport, was recently associated with targeting proteins to LDs in a *Drosophila* RNAi screen. Rab1b recruits lipid-synthesizing enzymes, facilitating Lipid droplets (LDs) growth. The small GTPase Rab1b interacts with diacylglycerol acyltransferase 2 to facilitate its targeting to the surface of lipid droplets. (PMID: 38809969). Rab1b, an extensively studied and established master regulator of ER-to-Golgi transport. The mechanism of Rab1b's function is to promote ER to LD surface targeting of those triglyceride-synthesizing enzymes that can associate with the unique lipid monolayer comprising the LD surface (PMID: 38809969). Rab1b is a regulatory protein involved in both COPI and COPII transport (PMID: 17429068).

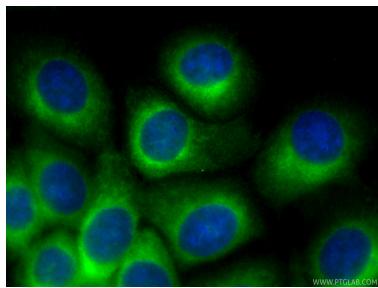
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using Coralite® Plus 488 RAB1B antibody (CL488-83687-4, Clone: 240635D9) at dilution of 1:200.