

For Research Use Only

CoraLite® Plus 488-conjugated RABEPK/p40 Monoclonal antibody



Catalog Number: CL488-66622

Basic Information

Catalog Number: CL488-66622	GenBank Accession Number: BC065725	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10244	CloneNo.: 1E11A3
Source: Mouse	UNIPROT ID: Q7Z6M1	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Full Name: Rab9 effector protein with kelch motifs	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG7796	Calculated MW: 41 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : A549 cells,
Species Specificity: Human, mouse, rat	

Background Information

Rab9 GTPase is required for the transport of mannose 6-phosphate receptors from endosomes to the trans-Golgi network in living cells, and in an in vitro system that reconstitutes this process. P40 is an effector of Rab9 that interacts preferentially with the active form of Rab9. p40 does not interact with Rab7 or K-Ras; it also fails to bind Rab9 when it is bound to GDI. The protein is found in cytosol, yet a significant fraction (~30%) is associated with cellular membranes. P40 is a very potent transport factor in that the pure, recombinant protein can stimulate, significantly, an in vitro transport assay that measures transport of mannose 6-phosphate receptors from endosomes to the trans-Golgi network.

Storage

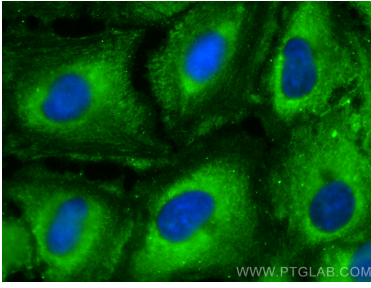
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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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 A549 cells using Coralite® Plus 488 RABEPK/p40 antibody (CL488-66622, Clone: 1E11A3) at dilution of 1:200.