

For Research Use Only

CoraLite® Plus 647-conjugated RABEPK/p40 Polyclonal antibody



Catalog Number: **CL647-15105**

Basic Information

Catalog Number: CL647-15105	GenBank Accession Number: BC065725	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10244	Recommended Dilutions: IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q7Z6M1	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG	Full Name: Rab9 effector protein with kelch motifs	
Immunogen Catalog Number: AG2593	Calculated MW: 41 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: IF, FC (Intra)	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human	

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.

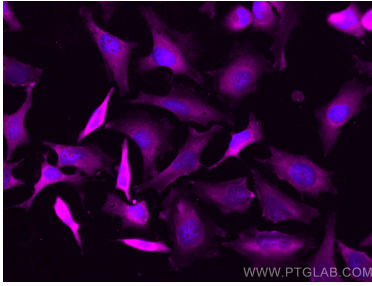
Storage

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

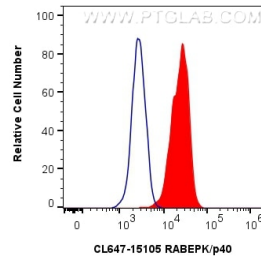
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 647 RABEPK/p40 antibody (CL647-15105) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.8 ug CoraLite® Plus 647 Anti-Human RABEPK/p40 (CL647-15105) (red), or 0.8 ug CoraLite® Plus 647-conjugated Rabbit IgG control Rabbit PolyAb (CL647-30000, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).