For Research Use Only

CoraLite® Plus 488-conjugated RABEPK/p40 Monoclonal antibody

Catalog Number:CL488-66622

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-66622

Size:
1000 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG7796

GenBank Accession Number:
BC065725

GeneID (NCBI):
10244

UNIPROT ID:
Q7Z6M1

Full Name:
Rab9 effector protein with kelch motifs

Calculated MW:
41 kDa

Observed MW:
40 kDa

Purification Method:
Protein G purification

CloneNo.:
1E11A3

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
Human, mouse, rat

Positive Controls:

IF/ICC : A549 cells,

Background Information

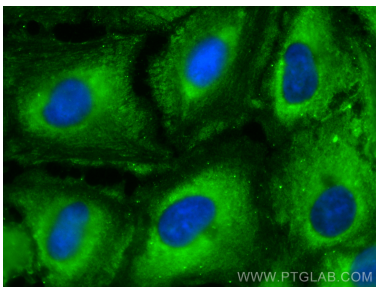
Rab9 GTPase is required for the transport of mannose 6-phosphate receptors from endosomes to the trans-Golgi network in living cells, and in an in vitro system that reconstitutes this process. P40 is an effector of Rab9 that interacts preferentially with the active form of Rab9. p40 does not interact 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: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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.