

For Research Use Only

CoraLite® Plus 488-conjugated RUFY1 Recombinant monoclonal antibody

Catalog Number: CL488-85839-4



Basic Information

Catalog Number: CL488-85839-4	GenBank Accession Number: BC032571	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 80230	CloneNo.: 250159A3
Isotype: IgG	UNIPROT ID: Q96T51	Recommended Dilutions: IF/ICC: 1:300-1:1200
Immunogen Catalog Number: AG4324	Full Name: RUN and FYVE domain containing 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 708 aa, 80 kDa	
	Observed MW: 80 kDa, 69 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HEK-293 cells,
Species Specificity: human	

Background Information

Rab proteins form the largest group within the Ras superfamily of small GTPases, which acts as molecular switches by cycling between their inactive active GTP-bound and GDP-bound forms [PMID:15520808]. The small GTP-binding protein Rab4 has been involved in the recycling of $\alpha_v\beta_3$ integrins in response to platelet-derived growth factor (PDGF) stimulation suggesting a role for Rab4 in cell adhesion and migration [PMID:17001082]. Rabip4 (Rab4 interacting protein), which possesses a RUN domain, two coiled-coil domains and a FYVE finger, was identified as an effector of Rab4, a small GTPase that plays a role in the endocytotic pathway in all cell types [PMID:11172003]. RUFY1 exists three isoforms and molecular weight of isoforms are 80 kDa, 69 kDa and 45 kDa.

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:

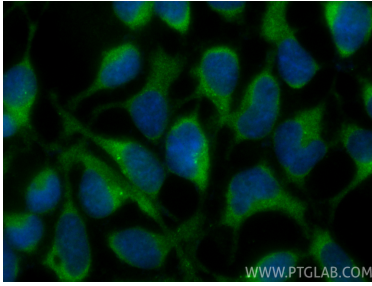
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)
fixed HEK-293 cells using CoraLite® Plus 488
RUFY1 antibody (CL488-85839-4, Clone: 250159A3
) at dilution of 1:600.