

For Research Use Only

CoraLite® Plus 488-conjugated ROCK1 Recombinant antibody

Catalog Number: CL488-83166-5



Basic Information

Catalog Number: CL488-83166-5	GenBank Accession Number: BC113114	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 6093	CloneNo.: 230423C6
Source: Rabbit	UNIPROT ID: Q13464	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: Rho-associated, coiled-coil containing protein kinase 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG16317	Calculated MW: 1354 aa, 158 kDa	
	Observed MW: 150-160 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human, mouse	

Background Information

ROCK1, also named as p160ROCK and NY-REN-35, belongs to the protein kinase superfamily and AGC Ser/Thr protein kinase family. ROCK1 phosphorylates and activates DAPK3, which then regulates myosin light chain phosphatase through phosphorylation of MYPT1 thereby regulating the assembly of the actin cytoskeleton, cell migration, invasiveness of tumor cells, smooth muscle contraction and neurite outgrowth. ROCK1 is required for centromere positioning and centromere-dependent exit from mitosis. It is necessary for apoptotic membrane blebbing. ROCK1 catalyzes the reaction: ATP + a protein = ADP + a phosphoprotein.

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:

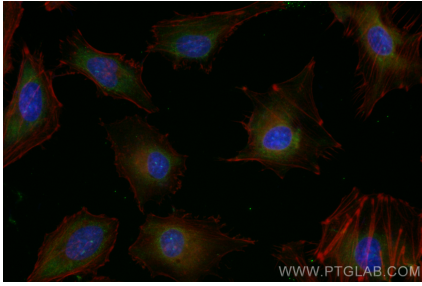
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 ROCK1 antibody (CL488-83166-5, Clone: 230423C6) at dilution of 1:200.