

CoraLite® Plus 647-conjugated Phospho-RIPK1 (Ser161) Monoclonal antibody

Catalog Number: CL647-66854

Basic Information

Catalog Number: CL647-66854	GenBank Accession Number: NM_003804	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 8737	CloneNo.: 1B2G1
Source: Mouse	UNIPROT ID: Q13546	Recommended Dilutions: IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: receptor (TNFRSF)-interacting serine- threonine kinase 1	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
	Calculated MW: 76 kDa	
	Observed MW: 74 kDa, 45 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : U2OS cells,
Species Specificity: human	

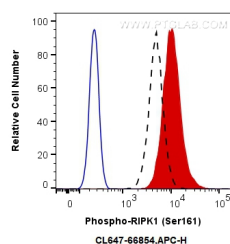
Background Information

RIPK1(Receptor-interacting serine/threonine-protein kinase 1) is primarily involved in mediating TNF-R1-induced cell activation, apoptosis and necroptosis and belongs to a novel class of kinases that function in cell survival and cell death mechanisms(PMID:22685397).It has 2 isoforms produced by alternative splicing.It also can exist as the protein with lower molecular weight about 25kd and 45kd in HAEC and HUVEC(PMID:22685397).

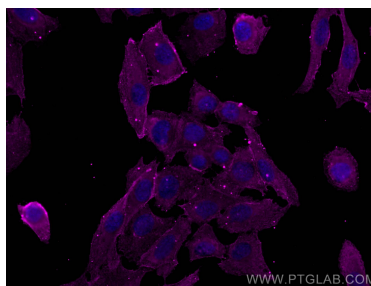
Storage

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

Selected Validation Data



1×10^6 HEK-293T cells untreated (dashed lines) or treated with Calyculin A (red) were intracellularly stained with 0.13 μ g Coralite® Plus 647 Anti-Human Phospho-RIPK1 (Ser161) (CL647-66854, Clone:1B2G1) (red), or 0.13 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with 90% MeOH.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using Coralite® Plus 647 Phospho-RIPK1 (Ser161) antibody (CL647-66854, Clone: 1B2G1) at dilution of 1:400.