

For Research Use Only

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

Catalog Number: CL647-66854



## Basic Information

Catalog Number:

CL647-66854

Concentration:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

NM\_003804

GeneID (NCBI):

8737

UNIPROT ID:

Q13546

Full Name:

receptor (TNFRSF)-interacting serine-threonine kinase 1

Calculated MW:

76 kDa

Observed MW:

74 kDa, 45 kDa

Purification Method:

Protein G purification

CloneNo.:

1B2G1

Recommended Dilutions:

IF/ICC: 1:200-1:800

FC (Intra): 0.13 µg per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : U2OS cells,

FC (Intra) : Calyculin A treated HEK-293T cells,

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

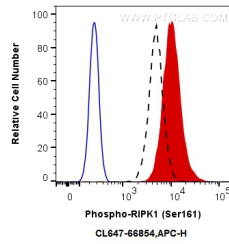
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

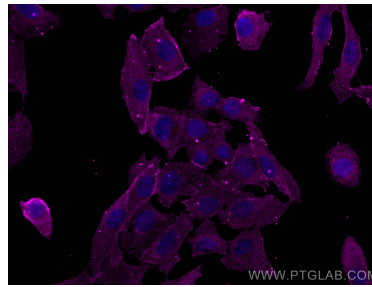
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## Selected Validation Data



1X10<sup>6</sup> HEK-293T cells untreated (dashed lines) or treated with Calyculin A (red) were intracellularly stained with 0.13 ug Coralite® Plus 647 Anti-Human Phospho-RIPK1 (Ser161) (CL647-66854, Clone:1B2G1) (red), or 0.13 ug 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.