

For Research Use Only

Phospho-RIPK1 (Ser166) Recombinant monoclonal antibody, PBS Only

Catalog Number: 84036-4-PBS



Basic Information

Catalog Number:

84036-4-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

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:

70-80 kDa

Purification Method:

Protein A purification

CloneNo.:

243009B2

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

RIPK1, a 74 kDa protein, is composed of a N-terminal kinase domain, an intermediate domain (containing the RIP homotypic interaction motif, RHIM) and a C-terminal death domain. Stimulation of cells with TNF α can promote distinct cell death pathways, including RIPK1-independent apoptosis, necroptosis, and RIPK1-dependent apoptosis (RDA). TNF α induces cell necroptosis and the phosphorylation of RIPK1 at the Ser166 residue i.e. p-RIPK1 (Ser166), both of which can be effectively inhibited by Nec-1. Therefore, p-RIPK1 (Ser166) is considered a biomarker for the activation of RIPK1 kinase and necroptosis (PMID: 31440386, PMID: 29891719).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

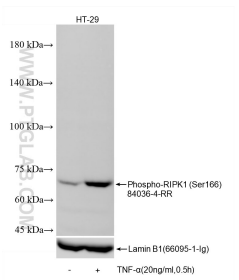
For technical support and original validation data for this product please contact:

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Selected Validation Data



Non-treated HT-29 cells and TNF alpha treated HT-29 cells were subjected to SDS PAGE followed by western blot with 84036-4-RR (Phospho-RIPK1 (Ser166) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Lamin B1 (66095-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 84036-4-PBS in a different storage buffer formulation.