

For Research Use Only

Phospho-RIPK1 (Ser166) Recombinant monoclonal antibody

Catalog Number: 84036-4-RR



Basic Information

Catalog Number: 84036-4-RR	GenBank Accession Number: NM_003804	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 8737	CloneNo.: 243009B2
Source: Rabbit	UNIPROT ID: Q13546	Recommended Dilutions: WB: 1:500-1:2000
Isotype: IgG	Full Name: receptor (TNFRSF)-interacting serine-threonine kinase 1	
	Calculated MW: 76 kDa	
	Observed MW: 70-80 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : TNF alpha treated HT-29 cells,
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

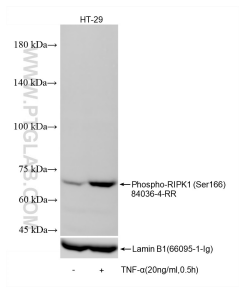
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.