For Research Use Only

Phospho-RIPK1 (Ser166) Polyclonal antibody

Catalog Number: 28252-1-AP

9 Publications



Basic Information	Catalog Number: 28252-1-AP	GenBank Accession Number: NM_003804	Purification Method: Antigen affinity purification	
	Size:	GenelD (NCBI):	Recommended Dilutions:	
	255 µg/ml	8737	WB 1:1000-1:4000	
	Source: Rabbit	UNIPROTID: Q13546		
	Isotype:	Full Name:		
	IgG receptor (TNFRSF)-interacting serine- threonine kinase 1		erine-	
		Calculated MW: 76 kDa		
		Observed MW: 70-80 kDa		
Applications	Tested Applications:	Positive	Positive Controls:	
	Cited Applications: WB, IHC, IF	WB : TNF-alpha treated HT-29 cells,		
	Species Specificity: Human			
	Cited Species: human, mouse			
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).			
Notable Publications	Author	Pubmed ID Journal	Application	
	Lulu Wo	35387966 Cell Death Disc	ov WB	
	Chenhui Ma	39440048] Cancer	WB	
	Hui-Wen Chiu	39322143 Int J Biol Macror	mol IHC	
Storage	Storage: Store at -20°C. Stable for or Storage Buffer: PBS with 0.02% sodium azi Aliquoting is unnecessary f	the year after shipment. The and 50% glycerol pH 7.3. for -20° C storage		

For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data



Non-treated HT-29 and TNF alpha (HZ-1014) treated HT-29 cells were subjected to SDS PAGE followed by western blot with 28252-1-AP (Phospho-RIPK1 (Ser166) antibody) at dilution of 1:1000 incubated at 4° C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.