

For Research Use Only

Phospho-RIPK1 (Ser161) Monoclonal antibody



Catalog Number: 66854-1-Ig

8 Publications

Basic Information

Catalog Number: 66854-1-Ig	GenBank Accession Number: NM_003804	Purification Method: Protein A purification
Size: 100ul , Concentration: 1500 µg/ml by Nanodrop;	GeneID (NCBI): 8737	CloneNo.: 1B2G1
Source: Mouse	Full Name: receptor (TNFRSF)-interacting serine-threonine kinase 1	Recommended Dilutions: WB 1:2000- 1:20000 IHC 1:250-1:1000 IF 1:200-1:800
Isotype: IgG1	Calculated MW: 76 kDa	
	Observed MW: 74 kDa, 45 kDa	

Applications

Tested Applications:
FC, IF, IHC, WB, ELISA

Cited Applications:
IHC, WB

Species Specificity:
Human

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: Jurkat cells, Calyculin A treated HEK-293T cells, Raji cells, THP-1 cells

IHC: human small intestine tissue, human heart tissue

IF: U2OS 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Ye Wang	36505813	Front Oncol	WB
Chia-Kang Ho	35322540	J Cell Mol Med	WB
Yongchang Yang	35308164	Front Genet	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

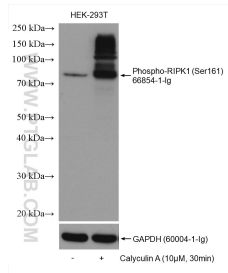
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

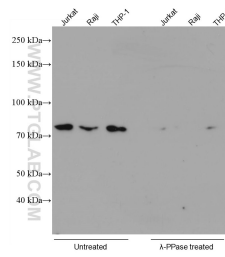
E: proteintech@ptglab.com
W: ptglab.com

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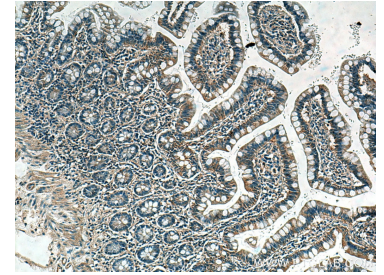
Selected Validation Data



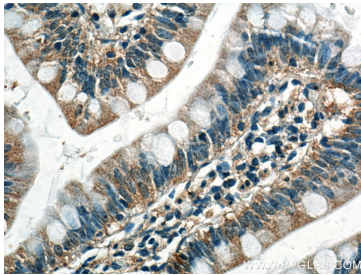
Non-treated HEK-293T and Calyculin A treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 66854-1-Ig (Phospho-RIPK1 (Ser161) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



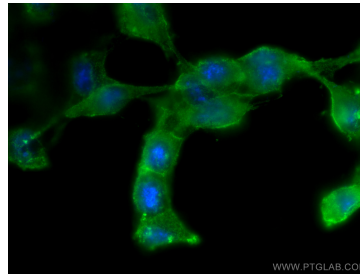
Various lysates were subjected to SDS PAGE followed by western blot with 66854-1-Ig (Phospho-RIPK1 (Ser161) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was untreated (left) or treated with Lambda Protein Phosphatase (λ -PPase, 500U, right) at 37°C for 1 hours before blocking.



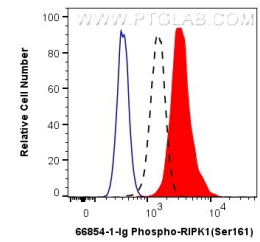
Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 66854-1-Ig (RIPK1 phospho S161 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 66854-1-Ig (RIPK1 phospho S161 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using Phospho-RIPK1 (Ser161) antibody (66854-1-Ig, Clone: 1B2G1) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1×10^6 Calyculin A treated HEK-293T cells were intracellularly stained with 0.13 μ g Anti-Human Phospho-RIPK1 (Ser161) (66854-1-Ig, Clone: 1B2G1) labeled with FlexAble CoraLite® Plus 555 Antibody Labeling Kit for Mouse IgG1 (KFA022). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.