

Datasheet for ABIN6146959
anti-RIPK1 antibody (AA 170-440)



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6 Images

Overview

Quantity:	100 µL
Target:	RIPK1
Binding Specificity:	AA 170-440
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RIPK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 170-440 of human RIPK1/RIP (NP_003795.2).
Sequence:	NEEHNELREV DGTAKKNGGT LYMAPEHLN DVNAKPTEKS DVYSFAVVLW AIFANKEPYE NAICEQQLIM CIKSGNRPDV DDITEYCPRE IISLMKLCWE ANPEARPTFP GIEEKFRPFY LSQLEESVEE DVKSLKKEYS NENAVVKRMQ SLQLDCVAVP SSRSNSATEQ PGSLHSSQGL GMGPVEESWF APSLEHPQEE NEPSLQSKLQ DEANYHLYGS RMDRQTKQQP RQNVAYNREE ERRRRVSHDP FAQQRPYENF QNTEGKGTAY S
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	RIPK1
Alternative Name:	RIPK1 (RIPK1 Products)
Background:	<p>3'-5' DNA helicase and substrate-recognition component of the SCF(FBH1 E3 ubiquitin ligase complex that plays a key role in response to stalled/damaged replication forks. Involved in genome maintenance by acting as an anti-recombinogenic helicase and preventing extensive strand exchange during homologous recombination: promotes RAD51 filament dissolution from stalled forks, thereby inhibiting homologous recombination and preventing excessive recombination. Also promotes cell death and DNA double-strand breakage in response to replication stress: together with MUS81, promotes the endonucleolytic DNA cleavage following prolonged replication stress via its helicase activity, possibly to eliminate cells with excessive replication stress. Plays a major role in remodeling of stalled DNA forks by catalyzing fork regression, in which the fork reverses and the two nascent DNA strands anneal. In addition to the helicase activity, also acts as the substrate-recognition component of the SCF(FBH1 E3 ubiquitin ligase complex, a complex that mediates ubiquitination of RAD51, leading to regulate RAD51 subcellular location.,RIP,RIP-1,RIP1,RIPK1,Cancer,Invasion and Metastasis,Signal Transduction,Kinase,Serine/threonine kinases,MAPK-JNK Signaling Pathway,MAPK-P38 Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Death receptors & ligands,Inhibition of Apoptosis,Death Receptor Signaling Pathway,Immunology & Inflammation,NF-kB Signaling Pathway,Toll-like Receptor Signaling Pathway,RIPK1</p>
Molecular Weight:	70 kDa/75 kDa
Gene ID:	8737
UniProt:	Q13546
Pathways:	NF-kappaB Signaling , Apoptosis , Caspase Cascade in Apoptosis , TLR Signaling , Activation of Innate immune Response , Inositol Metabolic Process , Positive Regulation of Endopeptidase Activity , Hepatitis C , Protein targeting to Nucleus , Toll-Like Receptors Cascades , Negative Regulation of intrinsic apoptotic Signaling , SARS-CoV-2 Protein Interactome , Ubiquitin Proteasome Pathway

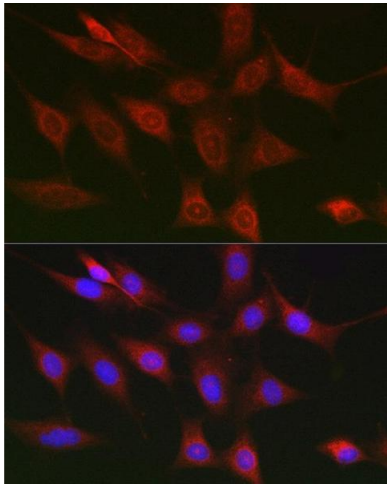
Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:200
Restrictions:	For Research Use only

Handling

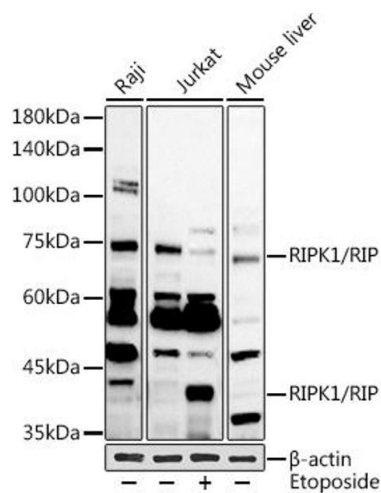
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



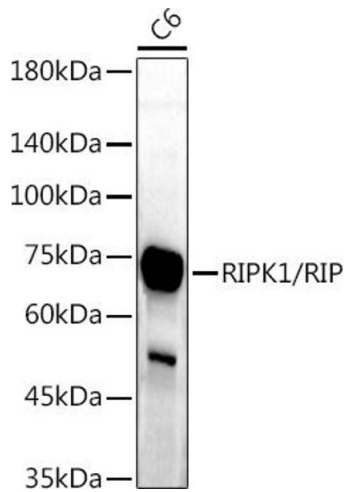
Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using RIPK1/RIP Rabbit pAb (ABIN6132596, ABIN6146959, ABIN6146960 and ABIN6223282) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using RIPK1/RIP antibody (ABIN6132596, ABIN6146959, ABIN6146960 and ABIN6223282) at 1:1000 dilution. Jurkat cells were treated by Etoposide (25 uM) at 37 °C for 5 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Western Blotting

Image 3. Western blot analysis of extracts of C6 cells, using RIPK1/RIP antibody (ABIN6132596, ABIN6146959, ABIN6146960 and ABIN6223282) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6146959.