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Datasheet for ABIN7167470  
**anti-RIPK1 antibody (AA 328-458)**

2 Images

Overview

Quantity:	100 µg
Target:	RIPK1
Binding Specificity:	AA 328-458
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RIPK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Receptor-interacting serine/threonine-protein kinase 1 protein (328-458AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	RIPK1
Alternative Name:	RIPK1 ( <a href="#">RIPK1 Products</a> )
Background:	Background: Serine-threonine kinase which transduces inflammatory and cell-death signals

## Target Details

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(programmed necrosis) following death receptors ligation, activation of pathogen recognition receptors (PRRs), and DNA damage. Upon activation of TNFR1 by the TNF-alpha family cytokines, TRADD and TRAF2 are recruited to the receptor. Phosphorylates DAB2IP at Ser-728 in a TNF-alpha-dependent manner, and thereby activates the MAP3K5-JNK apoptotic cascade. Ubiquitination by TRAF2 via Lys-63-link chains acts as a critical enhancer of communication with downstream signal transducers in the mitogen-activated protein kinase pathway and the NF-kappa-B pathway, which in turn mediate downstream events including the activation of genes encoding inflammatory molecules. Polyubiquitinated protein binds to IKBKG/NEMO, the regulatory subunit of the IKK complex, a critical event for NF-kappa-B activation. Interaction with other cellular RHIM-containing adapters initiates gene activation and cell death. RIPK1 and RIPK3 association, in particular, forms a necrosis-inducing complex.

Aliases: Cell death protein RIP antibody, FLJ39204 antibody, OTTHUMP00000039163 antibody, Receptor (TNFRSF) interacting serine threonine kinase 1 antibody, receptor interacting protein 1 antibody, Receptor interacting protein antibody, Receptor interacting protein kinase 1 antibody, Receptor interacting serine threonine protein kinase 1 antibody, Receptor TNFRSF interacting serine threonine kinase 1 antibody, Receptor-interacting protein 1 antibody, Receptor-interacting serine/threonine-protein kinase 1 antibody, Rinp antibody, RIP 1 antibody, RIP antibody, Rip-1 antibody, RIP1 antibody, RIPK 1 antibody, Ripk1 antibody, RIPK1\_HUMAN antibody, Serine threonine protein kinase RIP antibody, Serine/threonine-protein kinase RIP antibody

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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

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Application Notes: Recommended dilution: WB:1:500-1:5000, IF:1:200-1:500,

Restrictions: For Research Use only

## Handling

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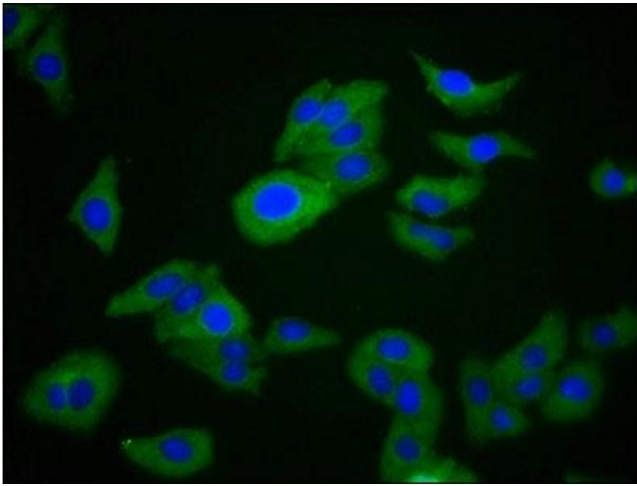
Format: Liquid

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## Handling

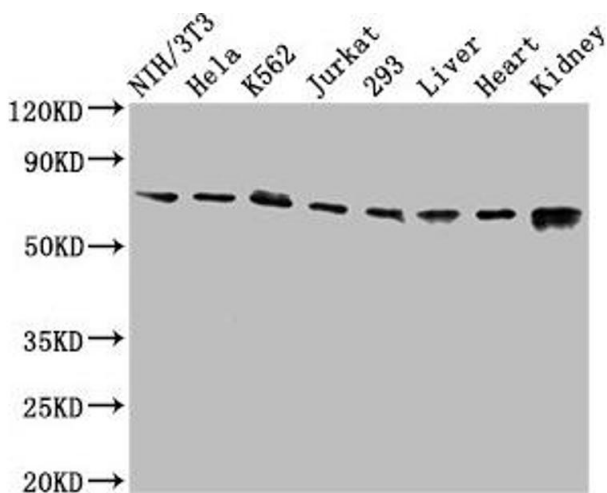
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



### Immunofluorescence

**Image 1.** Immunofluorescence staining of HepG2 cells with ABIN7167470 at 1:266, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: NIH/3T3 whole cell lysate, HeLa whole cell lysate, K562 whole cell lysate, Jurkat whole cell lysate, 293 whole cell lysate, Rat liver tissue, Mouse heart tissue, Mouse kidney tissue All lanes: RIPK1 antibody at 3.2 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 76, 71 kDa Observed band size: 76 kDa