



Datasheet for ABIN715016
anti-RIPK1 antibody (AA 581-671)



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2 Publications

Overview

Quantity:	100 µL
Target:	RIPK1
Binding Specificity:	AA 581-671
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RIPK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human RIPK-1/RIP
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	RIPK1
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Target Details

Alternative Name: [RIPK-1 \(RIPK1 Products\)](#)

Background: Synonyms: RIP, RIP1, Receptor-interacting serine/threonine-protein kinase 1, Cell death protein RIP, Receptor-interacting protein 1, RIP-1, Serine/threonine-protein kinase RIP, RIPK1

Background: Serine-threonine kinase which transduces inflammatory and cell-death signals (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.

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 1:300-5000
ELISA 1:500-1000
FCM 1:20-100
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	<p>Seifert, Werba, Tiwari, Gao Ly, Alothman, Alqunaibit, Avanzi, Barilla, Daley, Greco, Torres-Hernandez, Pergamo, Ochi, Zambirinis, Pansari, Rendon, Tippens, Hundeyin, Mani, Hajdu, Engle, Miller: "The necrosome promotes pancreatic oncogenesis via CXCL1 and Mincle-induced immune suppression." in: Nature, Vol. 532, Issue 7598, pp. 245-9, (2016) (PubMed).</p> <p>Luo, Roy, Xiao, Sun, Liang, Chen, Fu, Sun, Zhu, Ye, Liu: "Lycorine induces programmed necrosis in the multiple myeloma cell line ARH-77." in: Tumour biology, (2014) (PubMed).</p>
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