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Datasheet for ABIN967984 anti-RIPK1 antibody (AA 385-650)

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Overview

Quantity:	50 µg
Target:	RIPK1
Binding Specificity:	AA 385-650
Reactivity:	Human, Mouse, Rat, Dog, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RIPK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP),
	Immunofluorescence (IF)

Product Details

Immunogen:	Human RIP aa. 385-650
Clone:	38-RIP
Isotype:	lgG2a
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Dog (Canine), Chicken
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
	2. Please refer to us for technical protocols.
	3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide
	compounds in running water before discarding to avoid accumulation of potentially explosive
	deposits in plumbing.
	4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

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Product Details

Purification:

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	RIPK1
Alternative Name:	RIP (RIPK1 Products)
Background:	Binding or cross linking of the Fas antigen (also known as APO-1 and CD95) is known to elicit
	apoptosis in susceptible cells. Fas is a member of a family of cell surface receptors which
	includes tumor necrosis factor receptors (TNF-R, and TNF-R2) and nerve growth factor
	receptors (NGF-R), CD40, OX40, CD30, CD27, and 4-1BB. Several members of this family have
	been shown to regulate or induce cell death (TNF-R1 and TNF-R2). A 74 kDa member of this
	family protein named RIP (Receptor Interacting Protein) contains an N-terminal region with
	homology to protein kinases and a C-terminal region containing a cytoplasmic death domain
	present in both Fas and TNF-R1. Both Fas and RIP have been shown to require this death
	domain to induce apoptosis and overexpression of RIP has been shown to induce cell death in
	transfected cells.
	Synonyms: Receptor Interacting Protein
Molecular Weight:	74 kDa
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	
Comment:	Related Products: ABIN968536, ABIN967389
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	250 μg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.

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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 undiluted at -20° C.
Publications	
Product cited in:	Devin, Lin, Yamaoka, Li, Karin, Liu Zg: "The alpha and beta subunits of IkappaB kinase (IKK) mediate TRAF2-dependent IKK recruitment to tumor necrosis factor (TNF) receptor 1 in response to TNF." in: Molecular and cellular biology , Vol. 21, Issue 12, pp. 3986-94, (2001) (PubMed).
	Fulda, Meyer, Debatin: "Metabolic inhibitors sensitize for CD95 (APO-1/Fas)-induced apoptosis by down-regulating Fas-associated death domain-like interleukin 1-converting enzyme inhibitory protein expression." in: Cancer research , Vol. 60, Issue 14, pp. 3947-56, (2000) (PubMed).
	Lewis, Devin, Miller, Lin, Rodriguez, Neckers, Liu: "Disruption of hsp90 function results in degradation of the death domain kinase, receptor-interacting protein (RIP), and blockage of tumor necrosis factor-induced nuclear factor-kappaB activation." in: The Journal of biological chemistry , Vol. 275, Issue 14, pp. 10519-26, (2000) (PubMed).
	Stanger, Leder, Lee, Kim, Seed: "RIP: a novel protein containing a death domain that interacts with Fas/APO-1 (CD95) in yeast and causes cell death." in: Cell , Vol. 81, Issue 4, pp. 513-23, (1995) (PubMed).



Western Blotting

Image 1. Western blot analysis of RIP on a human endothelial cell lysate. Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of the mouse anti-RIP antibody.



Immunofluorescence

Image 2. Immunofluorescence staining of WI-38 cells (Human lung fibroblasts, ATCC CCL-75).

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