

Rabbit anti-Human RIPK1 Polyclonal Antibody | anti-RIPK1 antibody

Phospho-RIPK1 (Ser321) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329254	Rabbit	Human	ELISA

PRODUCT SYNONYMS

RIPK1; Polyclonal Antibody; Phospho-RIPK1 (Ser321) Antibody; Cell death protein RIP; FLJ39204; OTTHUMP00000039163; Receptor (TNFRSF) interacting serine threonine kinase 1; receptor interacting protein 1; Receptor interacting protein; Receptor interacting protein kinase 1; Receptor interacting serine threonine protein kinase 1; Receptor TNFRSF interacting serine threonine kinase 1; Receptor-interacting protein 1; Receptor-interacting serine/threonine-protein kinase 1; Rinp; RIP 1; RIP; Rip-1; RIP1; RIPK 1; Ripk1; RIPK1_HUMAN; Serine threonine protein kinase RIP; Serine/threonine-protein kinase RIP; anti-RIPK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-RIPK1 (Ser321) Antibody detects endogenous levels of RIPK1 only when phosphorylated at Ser321.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-RIPK1 antibody	ELISA
Immunogen	A synthesized peptide derived from human RIPK1 around the phosphorylation site of Ser321.
Preparation and Storage	Store at -20°C.

ADDITIONAL INFORMATION

Related Product Information for anti-RIPK1 antibody	Serine-threonine kinase which is a key regulator of both cell death and cell survival. Exhibits kinase activity-dependent functions that trigger cell death and kinase-independent scaffold functions regulating inflammatory signaling and cell survival. Initiates ripoptocide which describes cell death that is dependent on RIPK1, be it apoptosis or necroptosis. Upon binding of TNF to TNFR1, RIPK1 is recruited to the TNF-R1 signaling complex (TNF-RSC also known as complex I) where it acts as a scaffold protein promoting cell survival, in part, by activating the canonical NF-κB pathway (By similarity). Specific conditions can however activate RIPK1, and its kinase activity then regulates assembly of two death-inducing complexes, namely complex IIa (RIPK1-FADD-CASP8) and the complex IIb (RIPK1-RIPK3-MLKL) and these complexes respectively drive apoptosis or necroptosis, a regulated form of necrosis. During embryonic development suppresses apoptosis and necroptosis and prevents the interaction of TRADD with FADD thereby limiting aberrant activation of CASP8 (By similarity). Phosphorylates DAB2IP at 'Ser-728' in a TNF- alpha-dependent manner, and thereby activates the MAP3K5-JNK apoptotic cascade. Required for ZBP1-induced NF-kappaB activation and activation of NF-kappaB by DNA damage and IR (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	57242761
NCBI GeneID	8737

NCBI Accession #	NP_003795
NCBI GenBank Nucleotide #	NM_003804.3
UniProt Accession #	Q13546 ; Q13180 ; Q59H33 ; A0AV89 ; B2RAG1 ; B4E3F9
NCBI Official Full Name	receptor-interacting serine/threonine-protein kinase 1
NCBI Official Synonym Full Names	receptor (TNFRSF)-interacting serine-threonine kinase 1
NCBI Official Symbol	RIPK1
NCBI Official Synonym Symbols	RIP; RIP1
NCBI Protein Information	receptor-interacting serine/threonine-protein kinase 1; RIP-1; cell death protein RIP; receptor interacting protein; receptor-interacting protein 1; serine/threonine-protein kinase RIP
UniProt Protein Name	Receptor-interacting serine/threonine-protein kinase 1
UniProt Gene Name	RIPK1
UniProt Synonym Gene Names	RIP; RIP1; RIP-1
UniProt Entry Name	RIPK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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