RIP3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RIP3, Polyclonal Antibody
Full Product Name	RIP3 (phospho-Ser227) rabbit pAb
Product Gene Name	anti-RIP3 antibody
Product Synonym Names	Receptor-interacting serine/threonine-protein kinase 3 (EC 2.7.11.1)(RIP-like protein kinase 3)(Receptor-interacting protein 3)(RIP-3)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Specificity	This antibody detects endogenous levels of Human RIP3 (phospho-Ser227)
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	518
OMIM	605817
3D Structure	ModBase 3D Structure for Q9Y572
Immunogen	Synthesized phosho peptide around human RIP3 (Ser227)
Product Categories/Family for anti-RIP3 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RIP3 antibody	Western Blot (WB)
Application Notes for anti-RIP3 antibody	WB: 1:1000-2000
Related Product Information for anti-RIP3 antibody	receptor interacting serine/threonine kinase 3 (RIPK3) Homo sapiens The product of this gene is a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases, and contains a C-terminal domain unique from other RIP family members. The encoded protein is predominantly localized to the cytoplasm, and can undergo nucleocytoplasmic shuttling dependent on novel nuclear localization and export signals. It is a component of the tumor necrosis factor (TNF) receptor-I signaling complex, and can induce apoptosis and weakly activate the NF-kappaB transcription factor. [provided by RefSeq, Jul 2008]
Other Notes	Small volumes of anti-RIP3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RIP3 purchase	MBS8585761 is an antibody targeting RIP3. Also known as RIP3 (phospho-Ser227) rabbit pAb. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RIP3. It may not necessarily be applicable to this product.

NCBI GI #	205371831
NCBI GeneID	11035
NCBI Accession #	Q9Y572.2
UniProt Primary Accession #	Q9Y572
UniProt Secondary Accession #	Q5J795; Q5J796; Q6P5Y1; B4DJL9; C4AM87
UniProt Related Accession #	Q9Y572
NCBI Official Full Name	Receptor-interacting serine/threonine-protein kinase 3
NCBI Official Synonym Full Names	receptor-interacting serine-threonine kinase 3
NCBI Official Symbol	RIPK3
NCBI Official Synonym Symbols	RIP3
UniProt Protein Name	Receptor-interacting serine/threonine-protein kinase 3
UniProt Synonym Protein Names	RIP-like protein kinase 3; Receptor-interacting protein 3; RIP-3
Protein Family	Putative zinc metalloprotease
UniProt Gene Name	RIPK3
UniProt Synonym Gene Names	RIP3; RIP-3
UniProt Entry Name	RIPK3_HUMAN
NCBI Protein Information	receptor-interacting serine/threonine-protein kinase 3; RIP-3; RIP-like protein kinase 3; receptor interacting protein 3; receptor-interacting protein 3
NCBI Summary for RIP3	The product of this gene is a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases, and contains a C-terminal domain unique from other RIP family members. The encoded protein is predominantly localized to the cytoplasm, and can undergo nucleocytoplasmic shuttling dependent on novel nuclear localization and export signals. It is a component of the tumor necrosis factor (TNF) receptor-I signaling complex, and can induce apoptosis and weakly activate the NF-kappaB transcription factor. [provided by RefSeq, Jul 2008]
UniProt Comments for RIP3	RIPK3: Promotes apoptosis. Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Binds TRAF2 and RIPK1 and is recruited to the TNFR-1 signaling complex. 3 isoforms of the human protein are produced by alternative splicing. Protein type: EC 2.7.11.1; Protein kinase, Ser/Thr (non-receptor); Protein kinase, TKL; Kinase, protein; TKL group; RIPK family Chromosomal Location of Human Ortholog: 14q11.2 Cellular Component: mitochondrion; plasma membrane; cytosol Molecular Function: NF-kappaB-inducing kinase activity; protein serine/threonine kinase activity; identical protein binding; protein binding; transcription coactivator activity; protein complex binding; ATP binding; protein kinase activity Biological Process: spleen development; I-kappaB kinase/NF-kappaB cascade; regulation of activated T cell proliferation; thymus development; protein heterooligomerization; protein amino acid autophosphorylation; MyD88-independent toll-like receptor signaling pathway; T cell differentiation in the thymus; protein modification process; toll-like receptor 3 signaling pathway; signal transduction; lymph node development; activation of NF-kappaB transcription factor; regulation of T cell mediated cytotoxicity; regulation of adaptive immune response; regulation of interferon-gamma production; toll-like receptor signaling pathway; positive regulation of interferon type I production; activation of protein kinase activity; innate immune response; T cell homeostasis; positive regulation of ligase activity; toll-like receptor 4 signaling pathway; protein homooligomerization; positive regulation of oxidoreductase activity
Research Articles on RIP3	**1.** RIP3-mediated MLKL phosphorylation, though important for downstream signaling, is dispensable for stable complex formation between RIP3 and MLKL.

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