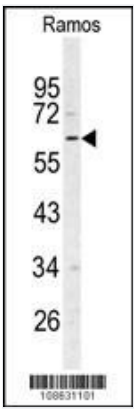
RIP3 Antibody – Rabbit Polyclonal

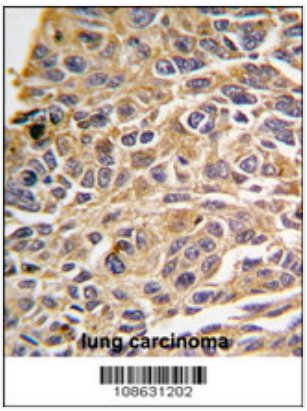
PRODUCT OVERVIEW

Product Name	RIP3, Polyclonal Antibody
Full Product Name	RIP3, NT (Receptor-interacting Serine/Threonine-protein Kinase 3, RIP-like Protein Kinase 3, Receptor-interacting Protein 3, RIP-3, RIPK3) (FITC)
Product Gene Name	anti-RIP3 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human RIPK3.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	25,326 Da
OMIM	605817
3D Structure	ModBase 3D Structure for Q9Y572
Immunogen	Synthetic peptide selected from the N-terminal region of human RIPK3 (KLH).
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-RIP3 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-RIP3 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-RIP3 antibody	IHC: 1:10-1:50 FLISA: 1:1,000 WB: 1:50-1:100 Applications are based on unconjugated antibody.
Related Product Information for anti-RIP3 antibody	MBS6497887 is an antibody targeting RIP3. Also known as RIP3, NT (Receptor-interacting Serine/Threonine-protein Kinase 3, RIP-like Protein Kinase 3, Receptor-interacting Protein 3, RIP-3, RIPK3) (FITC). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-RIP3 antibody	1. Yu P.W., Huang B.C.B., Shen M., Quast J., Chan E., Xu X., Nolan G.P., Payan D.G., Luo Y. Curr. Biol. 9:539-542(1999). 2. Sun X., Lee J., Navas T., Baldwin D.T., Stewart T.A., Dixit V.M.; J. Biol. Chem. 274:16871-16875(1999).

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.



Western Blot (WB) of anti-RIP3 antibody
Western blot analysis of RIP3 (RIPK3) Antibody (N-term) in Ramos cell line lysates (35ug/lane). RIPK3 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-RIP3 antibody
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with RIP3 (RIPK3) antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

ADDITIONAL DETAILS

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

NCBI GI #	40254844
NCBI GeneID	11035
NCBI Accession #	NP_006862
UniProt Primary Accession #	Q9Y572
UniProt Secondary Accession #	Q5J795; Q5J796; Q6P5Y1; B4DJL9; C4AM87
UniProt Related Accession #	Q9Y572
GenBank Nucleotide #	NM_006871
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

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
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