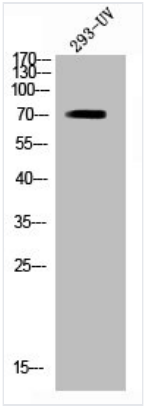
RIPK2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RIPK2, Polyclonal Antibody
Full Product Name	Phospho-RIPK2 (S176) Antibody
Product Gene Name	anti-RIPK2 antibody
Product Synonym Names	RIPK2; CARDIAK; RICK; RIP2; Receptor-interacting serine/threonine-protein kinase 2; CARD-containing Interleukin-1 beta-converting enzyme-associated kinase; CARD-containing IL-1 beta ICE-kinase; RIP-like-interacting CLARP kinase; Receptor-in
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	61,195 Da
Chromosome Location	Chromosome: 8; NC_000008.10 (90769975..90803292). Location: 8q21
OMIM	603455
3D Structure	ModBase 3D Structure for O43353
Immunogen	Synthesized peptide derived from human RIP2 around the phosphorylation site of S176.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-RIPK2 antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RIPK2 antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-RIPK2 antibody	WB: 1:500-1:2000 IHC: 1:100-1:300 ELISA: 1:40000
Related Product Information for anti-RIPK2 antibody	MBS7118693 is an antibody targeting RIPK2. Also known as Phospho-RIPK2 (S176) Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-RIPK2 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-RIPK2 antibody
Western Blot analysis of 293 cells using Phospho-RIP2 (S176) Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RIPK2. It may not necessarily be applicable to this product.

NCBI GI #	4506537
NCBI GeneID	8767
NCBI Accession #	NP_003812.1
UniProt Primary Accession #	O43353
UniProt Secondary Accession #	Q6UWF0
UniProt Related Accession #	O43353
GenBank Nucleotide #	NM_003821.5
NCBI Official Full Name	receptor-interacting serine/threonine-protein kinase 2
NCBI Official Synonym Full Names	receptor-interacting serine-threonine kinase 2
NCBI Official Symbol	RIPK2
NCBI Official Synonym Symbols	CCK; RICK; RIP2; CARD3; GIG30; CARDIAK
UniProt Protein Name	Receptor-interacting serine/threonine-protein kinase 2
UniProt Synonym Protein Names	CARD-containing interleukin-1 beta-converting enzyme-associated kinase; CARD-containing IL-1 beta ICE-kinase; RIP-like-interacting CLARP kinase; Receptor-interacting protein 2; RIP-2; Tyrosine-protein kinase RIPK2
Protein Family	Receptor-interacting serine/threonine-protein kinase
UniProt Gene Name	RIPK2
UniProt Synonym Gene Names	CARDIAK; RICK; RIP2; CARD-containing IL-1 beta ICE-kinase; RIP-2
UniProt Entry Name	RIPK2_HUMAN
NCBI Protein Information	receptor-interacting serine/threonine-protein kinase 2; RIP-2; CARD-carrying kinase; growth-inhibiting gene 30; tyrosine-protein kinase RIPK2; receptor-interacting protein 2; CARD-containing IL-1 beta ICE-kinase; CARD-containing interleukin-1 beta-convert
NCBI Summary for RIPK2	This gene encodes a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases. The encoded protein contains a C-terminal caspase activation and recruitment domain (CARD), and is a component of signaling complexes in both the innate and adaptive immune pathways. It is a potent activator of NF-kappaB and inducer of apoptosis in response to various stimuli. [provided by RefSeq, Jul 2008]

UniProt Comments for RIPK2	RIPK2: a tyrosine kinase-like kinase of the RIPK family. Activates pro-caspase-1 and pro-caspase-8. Potentiates casp-8-mediated apoptosis. May activate NF-kappaB. Protein type: EC 2.7.10.2; Kinase, protein; Protein kinase, TKL; EC 2.7.11.1; Protein kinase, Ser/Thr (non-receptor); TKL group; RIPK family Chromosomal Location of Human Ortholog: 8q21 Cellular Component: cytoskeleton; protein complex; cytoplasm; cytosol; vesicle Molecular Function: protein serine/threonine kinase activity; signal transducer activity; LIM domain binding; protein binding; protein homodimerization activity; non-membrane spanning protein tyrosine kinase activity; CARD domain binding; ATP binding Biological Process: I-kappaB kinase/NF-kappaB cascade; peptidyl-tyrosine phosphorylation; nerve growth factor receptor signaling pathway; positive regulation of apoptosis; activation of MAPK activity; apoptosis; positive regulation of interleukin-12 production; stress-activated MAPK cascade; positive regulation of JNK cascade; toll-like receptor 3 signaling pathway; signal transduction; T cell receptor signaling pathway; toll-like receptor 10 signaling pathway; activation of NF-kappaB transcription factor; T cell proliferation; toll-like receptor 5 signaling pathway; response to exogenous dsRNA; positive regulation of immature T cell proliferation; lipopolysaccharide-mediated signaling pathway; positive regulation of interferon-beta production; JNK cascade; inflammatory response; toll-like receptor 4 signaling pathway; positive regulation of interferon-alpha production; adaptive immune response; positive regulation of I-kappaB kinase/NF-kappaB cascade; MyD88-independent toll-like receptor signaling pathway; positive regulation of interleukin-6 production; positive regulation of tumor necrosis factor production; positive regulation of peptidyl-serine phosphorylation; positive regulation of chemokine production; toll-like receptor 2 signaling pathway; MyD88-dependent toll-like receptor signaling pathway; positive regulation of interferon-gamma production; positive regulation of peptidyl-tyrosine phosphorylation; defense response to Gram-positive bacterium; positive regulation of protein ubiquitination; positive regulation of interleukin-2 production; toll-like receptor signaling pathway; innate immune response; positive regulation of alpha-beta T cell proliferation; positive regulation of transcription from RNA polymerase II promoter; toll-like receptor 9 signaling pathway; positive regulation of cytokine and chemokine mediated signaling pathway; positive regulation of T-helper 1 cell differentiation; negative regulation of apoptosis
Research Articles on RIPK2	**1.** Data suggest that ubiquitin (Ub) binding provides a negative feedback loop upon NOD1 and NOD2 (nucleotide-binding oligomerization domain-containing proteins)-dependent activation of receptor-interacting protein kinase 2 (RIP2).
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