



# Anti-RIPK1 monoclonal antibody, clone 3E7 (DCABH-2582)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to RIP
<b>Antigen Description</b>	Essential adapter molecule for the activation of NF-kappa-B. Following different upstream signals (binding of inflammatory cytokines, stimulation of pathogen recognition receptors, or DNA damage), particular RIPK1-containing complexes are formed, initiating a limited number of cellular responses. Upon TNFA stimulation RIPK1 is recruited to a TRADD-TRAF complex initiated by TNFR1 trimerization. There, it is ubiquitinated via Lys-63-link chains, inducing its association with the IKK complex, and its activation through NEMO binding of polyubiquitin chains.
<b>Immunogen</b>	Recombinant fragment, corresponding to amino acids 133-422 of Human RIP produced in E.coli (NP_003795).
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	3E7
<b>Purity</b>	Protein G purified
<b>Purification</b>	This antibody was purified from mouse ascites fluids by affinity chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P, Flow Cyt
<b>Positive Control</b>	Human breast, kidney, lymphoma, colon adenocarcinoma, endometrium adenocarcinoma, thyroid carcinoma and prostate carcinoma tissues; HEK293T cell lysate transfected with pCMV6-ENTRY RIP cDNA
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 50% Glycerol, 1% BSA
<b>Preservative</b>	0.02% Sodium Azide

<b>Storage</b>	store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">RIPK1 receptor (TNFRSF)-interacting serine-threonine kinase 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	RIPK1
<b>Synonyms</b>	RIPK1; receptor (TNFRSF)-interacting serine-threonine kinase 1; receptor-interacting serine/threonine-protein kinase 1; RIP; RIP-1; cell death protein RIP; receptor interacting protein; receptor-interacting protein 1; serine/threonine-protein kinase RIP;
<b>Entrez Gene ID</b>	<a href="#">8737</a>
<b>Protein Refseq</b>	<a href="#">NP_003795</a>
<b>UniProt ID</b>	<a href="#">A0A024QZU0</a>
<b>Chromosome Location</b>	6p25.2
<b>Pathway</b>	Activated TLR4 signalling, organism-specific biosystem; Activation of Pro-Caspase 8, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis Modulation by HSP70, organism-specific biosystem;
<b>Function</b>	ATP binding; death domain binding; death receptor binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;