

Product datasheet for **TA385169M**

RIP (RIPK1) Rabbit Monoclonal Antibody [Clone ID: R07-8K8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	R07-8K8
Applications:	WB
Recommended Dilution:	WB: 1/1000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant protein of human RIP
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 76 kDa; Observed MW: 76 kDa
Gene Name:	receptor interacting serine/threonine kinase 1
Database Link:	Entrez Gene 8737 Human Q13546



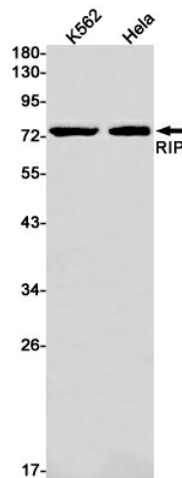
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Background:

Swiss-Prot Acc.Q13546.Serine-threonine kinase which transduces inflammatory and cell-death signals (programmed necrosis) following death receptors ligation, activation of pathogen recognition receptors (PRRs), and DNA damage (PubMed:11101870, PubMed:17389591, PubMed:19524512, PubMed:19524513). Upon activation of TNFR1 by the TNF-alpha family cytokines, TRADD and TRAF2 are recruited to the receptor (PubMed:11101870, PubMed:17389591, PubMed:19524512, PubMed:19524513). Phosphorylates DAB2IP at 'Ser-728' in a TNF-alpha-dependent manner, and thereby activates the MAP3K5-JNK apoptotic cascade (PubMed:17389591). Ubiquitination by TRAF2 via 'Lys-63'-link chains acts as a critical enhancer of communication with downstream signal transducers in the mitogen-activated protein kinase pathway and the NF-kappa-B pathway, which in turn mediate downstream events including the activation of genes encoding inflammatory molecules (PubMed:15258597). Polyubiquitinated protein binds to IKBKG/NEMO, the regulatory subunit of the IKK complex, a critical event for NF-kappa-B activation. Interaction with other cellular RHIM-containing adapters initiates gene activation and cell death (PubMed:15258597). RIPK1 and RIPK3 association, in particular, forms a necrosis-inducing complex (PubMed:19524513, PubMed:19524512).

Synonyms:

FLJ39204; OTTHUMP00000015955; RIP; RIP1

Product images:


Western blot analysis of RIP in K562, HeLa lysates using RIP antibody.