



RIPK1(Phospho Ser166) Rabbit mAb

Catalog No	YP-rAb-18305
Isotype	IgG
Reactivity	Human
Applications	WB,IF,ELISA
Gene Name	RIPK1 RIP RIP1
Protein Name	Receptor-interacting serine/threonine-protein kinase 1 (Cell death protein RIP) (Receptor-interacting protein 1) (RIP-1) (Serine/threonine-protein kinase RIP)
Purification Process	Protein A
Specificity	RIPK1 (Phospho Ser166) Antibody detects endogenous levels of RIPK1 protein only when phosphorylated at S166.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):MWsKL
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:500-1:2000; IF 1:200-1:1000; ELISA 1:5000-1:20000;
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	Receptor-interacting serine/threonine-protein kinase 1 ; Cell death protein RIP ; Receptor-interacting protein 1 ; RIP-1 ; Serine/threonine-protein kinase RIP ;
Observed Band	80kD
Calculated Molecular Weight	76kD
Cell Pathway	Cytoplasm . Cell membrane .
Tissue Specificity	Leukemic T-cell,T-cell,Umbilical vein endothelial cell,
Function	Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,Function:Promotes apoptosis and activation of NF-kappa-B. Required for TNFRSF1A mediated activation of NF-kappa-B.,PTM:Autophosphorylated on serine and threonine residues.,PTM:Proteolytically cleaved by caspase-8 during TNF-induced apoptosis. Cleavage abolishes NF-kappa-B activation and enhances pro-apoptotic

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signaling through the TRADD-FADD interaction.,similarity:Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family.,similarity:Contains 1 death domain.,similarity:Contains 1 protein kinase domain.,subunit:Binds to the death domain of TNFRSF6 and TRADD. Is recruited by TRADD to TNFRSF1A in a TNF-dependent process. Binds RIPK3, UBCE7IP1 isoform 3 (ZIN), EGFR, IKBKG, TRAF1, TRAF2 and TRAF3. Interacts with BNLF1. Interacts with SQSTM1 upon TNF-alpha stimulation. May interacts with MAVS/IPS1.,

Background

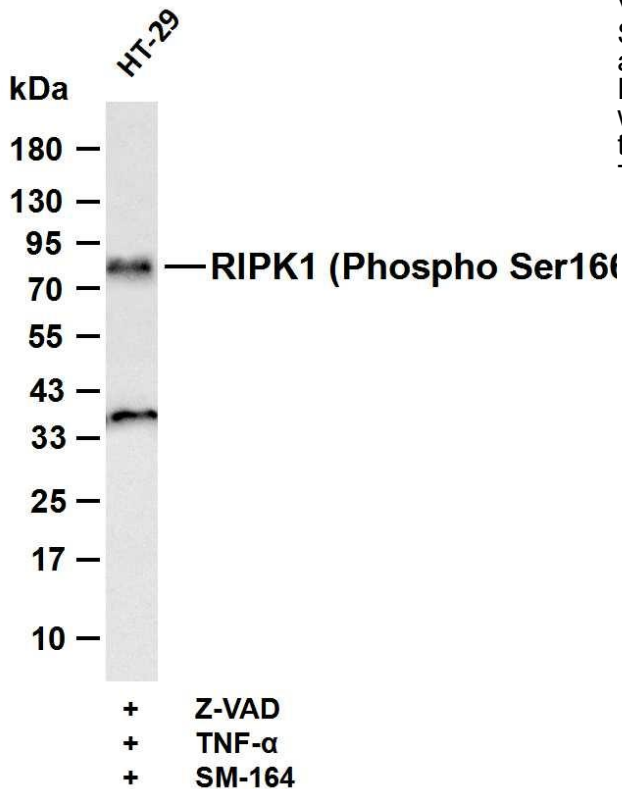
This gene encodes a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases. The encoded protein plays a role in inflammation and cell death in response to tissue damage, pathogen recognition, and as part of developmental regulation. RIPK1/RIPK3 kinase-mediated necrosis is referred to as necroptosis. Genetic disruption of this gene in mice results in death shortly after birth. [provided by RefSeq, Aug 2017]

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-RIPK1 (Phospho Ser166) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HT-29 was treated with Z-VAD(20 μ M) for 30 minutes before adding TNF- α (20ng/ml) and SM-164(100nM) for 7 hou

