

Datasheet for ABIN7177815
anti-RIPK1 antibody (AA 1-656) (Biotin)



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Overview

Quantity:	100 µg
Target:	RIPK1
Binding Specificity:	AA 1-656
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RIPK1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Mouse Receptor-interacting serine/threonine-protein kinase 1 protein (1-656AA)
Isotype:	IgG
Cross-Reactivity:	Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	RIPK1
Alternative Name:	Ripk1 (RIPK1 Products)
Background:	Background: Serine-threonine kinase which transduces inflammatory and cell-death signals (programmed necrosis) following death receptors ligation, activation of pathogen recognition

Target Details

receptors (PRRs), and DNA damage. Upon activation of TNFR1 by the TNF-alpha family cytokines, TRADD and TRAF2 are recruited to the receptor. Phosphorylates DAB2IP at 'Ser-728' in a TNF-alpha-dependent manner, and thereby activates the MAP3K5-JNK apoptotic cascade. 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. 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. RIPK1 and RIPK3 association, in particular, forms a necrosis-inducing complex (By similarity). Interacts with ARHGEF2 (By similarity).

Aliases: Ripk1 antibody, Rinp antibody, Rip antibody, Receptor-interacting serine/threonine-protein kinase 1 antibody, EC 2.7.11.1 antibody, Cell death protein RIP antibody, Receptor-interacting protein 1 antibody, RIP-1 antibody

UniProt:	Q60855
Pathways:	NF-kappaB Signaling , Apoptosis , Caspase Cascade in Apoptosis , TLR Signaling , Activation of Innate immune Response , Inositol Metabolic Process , Positive Regulation of Endopeptidase Activity , Hepatitis C , Protein targeting to Nucleus , Toll-Like Receptors Cascades , Negative Regulation of intrinsic apoptotic Signaling , SARS-CoV-2 Protein Interactome , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.