

Datasheet for ABIN7177814
anti-RIPK1 antibody (AA 1-656)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	RIPK1
Binding Specificity:	AA 1-656
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RIPK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Mouse Receptor-interacting serine/threonine-protein kinase 1 protein (1-656AA)
Isotype:	IgG
Cross-Reactivity:	Human, 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: Recommended dilution: WB:1:500-1:5000, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

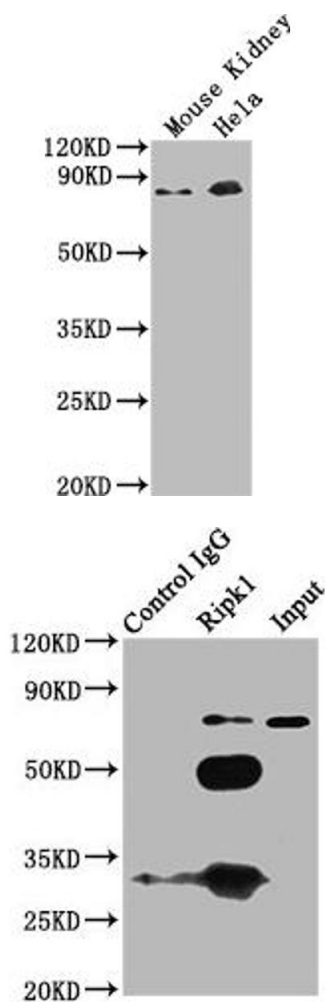
Preservative: ProClin

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.

Images



Western Blotting

Image 1. Western Blot Positive WB detected in: Mouse Kidney tissue, Hela whole cell lysate All lanes: Ripk1 antibody at 1:2000 Secondary Goat polyclonal to rabbit IgG at 1/50000 Predicted band size: 75 kDa Observed band size: 75 kDa

Western Blotting

Image 2. Immunoprecipitating Ripk1 in K562 whole cell lysate Lane 1: Rabbit control IgG (1?g) instead of ABIN7177814 in K562 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7177814 (6?g) + K562 whole cell lysate (500?g) Lane 3: K562 whole cell lysate (10?g)