

Datasheet for ABIN7269886

**anti-RIPK1 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	RIPK1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This RIPK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

## Product Details

Purpose:	RIPK1/RIP Rabbit mAb
Immunogen:	A synthesized peptide derived from human RIPK1/RIP.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	RIPK1
Alternative Name:	RIPK1 ( <a href="#">RIPK1 Products</a> )
Background:	3'-5' DNA helicase and substrate-recognition component of the SCF(FBH1 E3 ubiquitin ligase

## Target Details

complex that plays a key role in response to stalled/damaged replication forks. Involved in genome maintenance by acting as an anti-recombinogenic helicase and preventing extensive strand exchange during homologous recombination: promotes RAD51 filament dissolution from stalled forks, thereby inhibiting homologous recombination and preventing excessive recombination. Also promotes cell death and DNA double-strand breakage in response to replication stress: together with MUS81, promotes the endonucleolytic DNA cleavage following prolonged replication stress via its helicase activity, possibly to eliminate cells with excessive replication stress. Plays a major role in remodeling of stalled DNA forks by catalyzing fork regression, in which the fork reverses and the two nascent DNA strands anneal. In addition to the helicase activity, also acts as the substrate-recognition component of the SCF(FBH1 E3 ubiquitin ligase complex, a complex that mediates ubiquitination of RAD51, leading to regulate RAD51 subcellular location.,RIP,RIP-1,RIP1,RIPK1,Apoptosis,Apoptosis\_Death receptors & ligands,Apoptosis\_Inhibition of Apoptosis,Cancer,Cell Biology & Developmental Biology,Death Receptor Signaling Pathway,Immunology & Inflammation,Invasion and Metastasis,Kinase,Kinase\_Serine/threonine kinases,MAPK-JNK Signaling Pathway,MAPK-P38 Signaling Pathway,NF-kB Signaling Pathway,Signal Transduction,Toll-like Receptor Signaling Pathway,RIPK1

Molecular Weight:	75kDa
Gene ID:	8737
UniProt:	<a href="#">Q13546</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">Apoptosis</a> , <a href="#">Caspase Cascade in Apoptosis</a> , <a href="#">TLR Signaling</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Hepatitis C</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a> , <a href="#">SARS-CoV-2 Protein Interactome</a> , <a href="#">Ubiquitin Proteasome Pathway</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:200
Restrictions:	For Research Use only

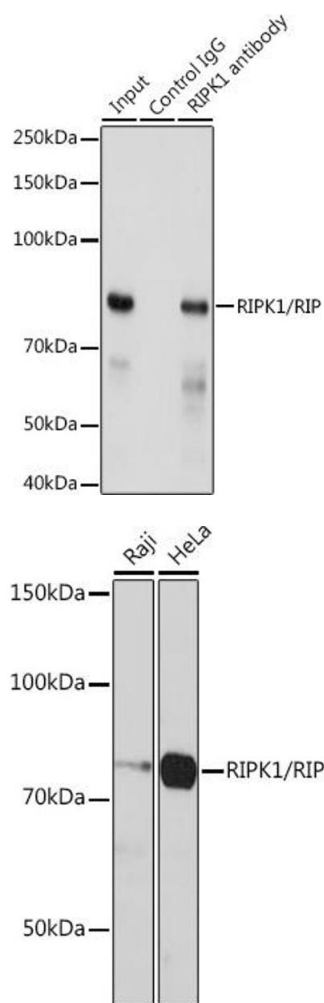
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

## Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

## Images



### Immunoprecipitation

**Image 1.** Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg RIPK1/RIP antibody (ABIN7269886). Western blot was performed from the immunoprecipitate using RIPK1/RIP antibody (ABIN7269886) at a dilution of 1:500.

### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using RIPK1/RIP antibody (ABIN7269886) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3 min.