Datasheet for ABIN500614

anti-RIPK1 antibody (N-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	RIPK1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RIPK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	RIPK1 antibody was raised against a 15 amino acid peptide from near the amino terminus of human RIPK1.
Isotype:	IgG
Specificity:	This antibody detects RIP.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	RIPK1

Target Details

Alternative Name:	RIP (RIPK1 Products)
Background:	RIPK1 (Receptor Interacting Protein) is a crucial 74 kD adaptor kinase in several of stress-induced signaling pathways and on the crossroad of a cell's decision to live or die. RIPK1 contains an N-terminal region with homology to protein kinases, an intermediate domain capable of association with MAPKKK and a C-terminal region containing a death domain motif present in the Fas and TNFR1 intracellular domains. Full length RIPK1 is important for signallling to NF-kappa-B, MAPKs and necrosis, whereas caspase-8 generates a C-terminal RIPK1 cleavage fragment, promoting TNF-induced apoptosis. It is required for TNFRSF1A-mediated and TLR3-induced NF-kappa-B activation. RIPK1-deficient mice fail to thrive, displaying extensive apoptosis in both lymphoid and adipose tissues and dying at 1-3 days of age.Synonyms: Cell death protein RIP, RIPK1, Receptor-Interacting Protein, Receptor-interacting serine/threonine-protein kinase 1, Serine/threonine-protein kinase RIP
Gene ID:	8737
NCBI Accession:	NP_003795
UniProt:	Q13546
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:	ELISA. Western blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

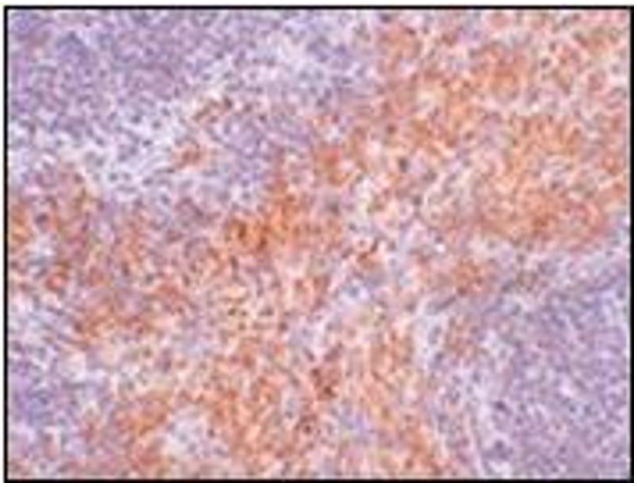
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

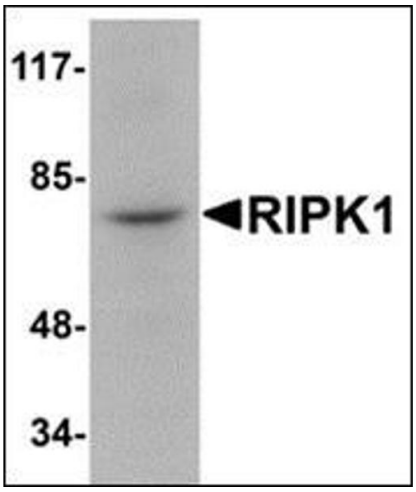
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of RIPK1 in mouse kidney tissue with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of RIPK1 in rat kidney tissue lysate with this product at 1 µg/ml.