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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-RIPK1 Antibody

Catalog Number: A00141

About RIPK1

RIP1 (Receptor Interacting Protein), also known as RIPK1, 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. RIP1 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 RIP1 is important for signallling to NF-kappa-B, MAPKs and necrosis, whereas caspase-8 generates a C-terminal RIP1 cleavage fragment, promoting TNF-induced apoptosis. It is required for TNFRSF1A-mediated and TLR3-induced NF-kappa-B activation. RIP1-deficient mice fail to thrive, displaying extensive apoptosis in both lymphoid and adipose tissues and dying at 1-3 days of age.

Overview

Product Name	Anti-RIPK1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-RIPK1 Antibody (Catalog # A00141). Tested in ELISA, IHC-P applications. This antibody reacts with Human.
Application	ELISA, IHC-P
Clonality	Polyclonal
Formulation	RIPK1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	RIPK1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q13546

Technical Details

Immunogen	RIPK1 antibody was raised against a 14 amino acid peptide near the carboxy terminus of human RIP1. The immunogen is located within amino acids 600 - 650 of RIPK1.
Predicted Reactive Species	Mouse
Cross Reactivity	MMP9 antibody is human, mouse and rat reactive. At least three isoforms of MMP9 are known to exist; this antibody only recognizes the two longest isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

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Purification	RIPK1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: RIPK1 antibody can be used for detection of RIP1 by immunohistochemistry at 5 - 10 ug/mL. Antibody validated: Immunohistochemistry in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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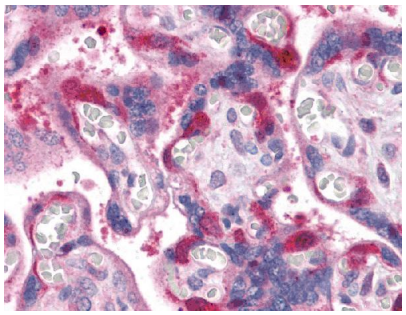
Anti-RIPK1 Antibody (A00141) Images



Immunohistochemistry of RIP1 in human placenta tissue with RIP1 antibody at 10 ug/mL.