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Datasheet for 600-401-EA2

RIP1 Antibody

Overview

Description:	Anti-RIP1 (RABBIT) Antibody - 600-401-EA2
Item No.:	600-401-EA2
Size:	100 µg
Applications:	ELISA, IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	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 signaling 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.
Synonyms:	RIP1 Antibody, RIP, RIP1, RIP, Cell death protein RIP, RIP-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RIPK1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-RIP1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid peptide near the C-terminus of human RIP1.

Purity/Specificity:	Anti-RIP1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with RIP1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q13546 • GeneID - 8737 • NCBI - NP_003795

Application Details

Tested Applications:	ELISA, IHC
Application Note:	Anti-RIP1 Antibody has been tested for use in ELISA, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 76 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
IHC:	5-10 µg/mL

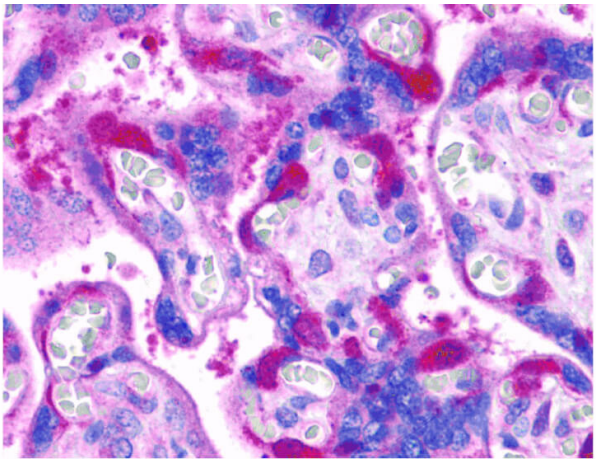
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunohistochemistry of RIP1 antibody. Tissue: human placenta tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: RIP1 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: RIP1 is located in the cytoplasm and cell membrane. Staining: RIP1 is stained with toluidine blue.

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