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Datasheet for 600-401-DZ2

RICK Antibody

Overview

Description:	Anti-RICK (RABBIT) Antibody - 600-401-DZ2
Item No.:	600-401-DZ2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Apoptosis is mediated by death domain (DD) and/or caspase recruitment domain (CARD) containing molecules and a caspase family of proteases. DD-containing serine/threonine kinase RIP regulates Fas-induced apoptosis. A novel CARD-containing serine/threonine kinase was recently identified and designated RICK/RIP2/CARDIAK for RIP-like interacting CLARP kinase, receptor interacting protein-2, and CARD-containing ICE associated kinase, respectively. RICK contains an N-terminal kinase catalytic domain and a C-terminal CARD domain. Overexpression of RICK induced apoptosis and activation of NF-kB and JNK. RICK interacts with members of the TRAF family, CLARP and caspase-1. Thus, RICK represents a novel kinase that regulates TNF and Fas induced-apoptosis and that is involved in the generation of proinflammatory cytokine IL-1b. The messenger RNA of RICK is expressed in multiple human tissues.
Synonyms:	RICK Antibody, CCK, RICK, RIP2, CARD3, GIG30, CARDIAK, UNQ277/PRO314/PRO34092, CARD-containing interleukin-1 beta-converting enzyme-associated kinase, CARD-containing IL-1 beta ICE-kinase
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RIPK2
Reactivity:	Human

Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-RICK antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid peptide near the C-terminus of human RICK.
Purity/Specificity:	Anti-RICK Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with RICK from other sources has not been determined.
Relevant Links:	• UniProtKB - O43353 • GeneID - 8767 • NCBI - O43353

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-RICK Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 62 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:	1:10,000-1:20,000
IF:	5 µg/mL
WB:	1-2 µg/mL

Formulation

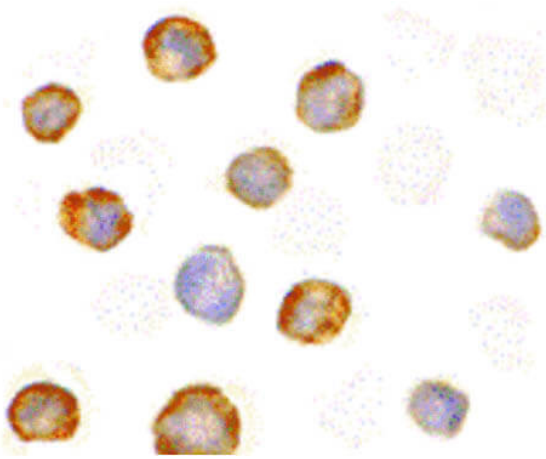
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

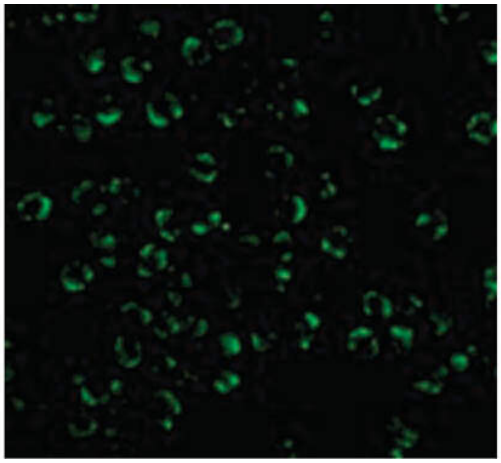
Shipping Condition:	Dry Ice

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.

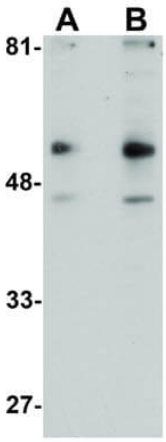
Images



Immunocytochemistry
Immunocytochemistry of RICK antibody. Cells: K562 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: RICK antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: RICK is cytoplasmic. Staining: RICK as precipitated brown signal with hematoxylin blue nuclear counterstain.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of RICK antibody. Tissue: K562 cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: RICK antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: RICK is cytoplasmic. Staining: RICK as green fluorescent signal.



Western Blot

Western Blot of RICK antibody. Lane 1: A431 cell lysate with RICK at 1 µg/mL. Lane 2: A431 cell lysate with RICK at 2 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 61.2 kDa, 56 kDa for RICK. Other band(s):RICK splice variants and isoforms.

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