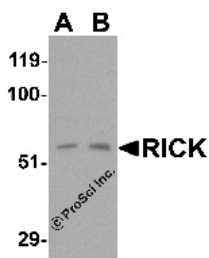


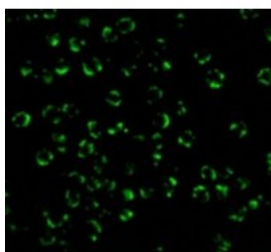


RICK Antibody

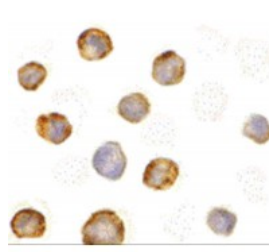
CATALOG NUMBER: 2183



Western blot analysis of RICK in (A) 3T3 and (B) K562 cell lysate with RICK antibody at 0.5 ug/mL



Immunofluorescence of RICK in K562 cells with RICK antibody at 20 ug/mL.



Immunocytochemistry of RICK in K562 cells with RICK antibody at 5 ug/mL.

Specifications

SPECIES REACTIVITY:	Human, Mouse
HOMOLOGY:	Predicted species reactivity based on immunogen sequence: Bovine: (100%)
TESTED APPLICATIONS:	ELISA, ICC, IF, WB
APPLICATIONS:	RICK antibody can be used for detection of RICK by Western blot at 0.5 ug/mL. An approximately 60 kDa band can be detected. Antibody can also be used for immunocytochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. 1204 - K562 Cell Lysate 2) Cat. No. 1212 - 3T3 Cell Lysate
PREDICTED MOLECULAR WEIGHT:	Predicted: 60 kDa Observed: 58 kDa
IMMUNOGEN:	RICK antibody was raised against a 15 amino acid peptide near the carboxy terminus of human RICK. The immunogen is located within the last 50 amino acids of RICK.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	RICK Antibody is affinity chromatography purified via peptide column.
PHYSICAL STATE:	Liquid
BUFFER:	RICK Antibody is supplied in PBS containing 0.02% sodium azide.
STORAGE CONDITIONS:	RICK antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	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
ACCESSION NO.:	O43353
PROTEIN GI NO.:	20455217
OFFICIAL SYMBOL:	RIPK2
GENE ID:	8767

Background

BACKGROUND:	RICK Antibody: 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- κ B 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-1 β . The messenger RNA of RICK is expressed in multiple human tissues.
REFERENCES:	1) Inohara N, del Peso L, Koseki T, Chen S, Nunez G. RICK, a novel protein kinase containing a caspase recruitment domain, interacts with CLARP and regulates CD95-mediated apoptosis. J Biol Chem 1998;273:12296-300
	2) McCarthy JV, Ni J, Dixit VM. RIP2 is a novel NF- κ B-activating and cell death-inducing kinase. J Biol Chem 1998;273:16968-75
	3) Thome M, Hofmann K, Burns K, Martinon F, Bodmer JL, Mattmann C, Tschopp J. Identification of CARDIAK, a RIP-like kinase that associates with caspase-1. Curr Biol 1998;8:885-8 (WD0300)

FOR RESEARCH USE ONLY

December 12, 2016