

Anti-RICK (CT) *RIP2, CARDIAK*

CATALOG No.: PX092A

SIZE: 100 µg

LOT: 0003

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, (1-3). RICK contains an N-terminal kinase catalytic domain and a C-terminal CARD domain. Overexpression of RICK induced apoptosis and activation of NF-κB 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-1β. The messenger RNA of RICK is expressed in multiple human tissues (1).

SOURCE:

Rabbit anti-RICK (CT) polyclonal antibody was raised against a peptide corresponding to amino acids 508 to 522 of human origin (1).

APPLICATION:

This polyclonal antibody can be used for detection of RICK by Western blot at 1:500 dilution. K562 or 3T3 whole cell lysate can be used as positive control and an approximately 60 kDa band can be detected. It is human, mouse, and rat reactive. For research use only.

STORAGE:

It is supplied as immunoaffinity chromatography purified IgG, in PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.

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-kappaB-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

CAUTION: NOT FOR USE IN HUMANS. FOR RESEARCH PURPOSES ONLY.



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