

Product datasheet for **TA306013**

RIP2 (RIPK2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	RICK antibody was raised against a peptide corresponding to amino acids 508 to 522 of human origin .
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	receptor interacting serine/threonine kinase 2
Database Link:	NP_003812 Entrez Gene 8767 Human O43353



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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-kappaB 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 (1).

Synonyms:

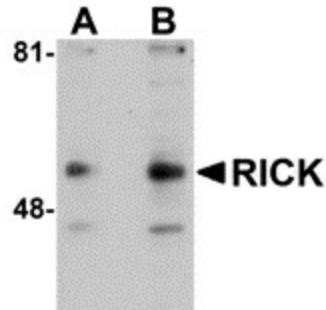
CARD3; CARDIAK; CCK; GIG30; RICK; RIP2

Protein Families:

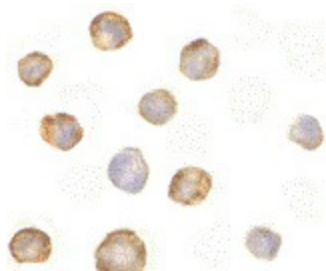
Druggable Genome, Protein Kinase

Protein Pathways:

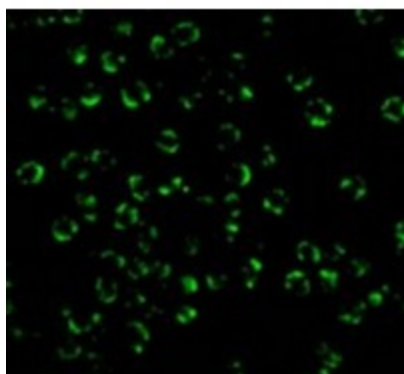
Neurotrophin signaling pathway, NOD-like receptor signaling pathway

Product images:

Western blot analysis of RICK in A431 cell lysate with RICK antibody at (A) 1 and (B) 2 ug/ml.



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



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