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ProductInformation

ANTI-RICK
Developed in Rabbit, Affinity Isolated Antibody

Product Number **R5400**

Product Description

Anti-RICK is developed in rabbits using a peptide corresponding to amino acids 11-30 of human RIP-like interacting CLARP kinase (RICK)[1] as immunogen.

Anti-RICK recognizes RICK by immunoblotting (60 kDa).

RIP-like Interacting CLARP Kinase (RICK) is a serine threonine kinase that regulates Fas-Induced apoptosis. RICK is also known as RIP2 or CARDIAK. It contains an N-terminal catalytic domain as well as a C-terminal CARD (caspase recruitment domain). RICK physically interacts with CLARP, a caspase-like molecule known to bind to FADD (Fas-associated protein with death domain) and caspase-8. Over-expression of RICK causes Fas induced-apoptosis.[1] RICK has also been shown to immunoprecipitate with CARD4 (a member of the CED-4/Apaf-1 family), and activate NF-κB and Jun N-terminal kinase signaling pathways.[2-4]

Reagents

Anti-RICK is supplied as 0.5 mg/ml of affinity isolated antibody in phosphate buffered saline, containing 0.02% sodium azide.

Precautions and Disclaimer

Due to the sodium azide content, a material safety data sheet (MSDS) has been sent to the attention of the safety officer at your institution. Consult the MSDS for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8°C for up to one month. For extended storage, freeze in working aliquots. Repeated freezing and thawing is not recommended. Storage in "frost-free" freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

Product Profile

The recommended working concentration is 0.5 µg/ml (1:1,000 dilution) by immunoblotting using total HeLa cell lysates. A 60 kDa band can be detected.

Note: In order to obtain best results and assay sensitivities to different techniques and preparations, we recommend determining optimal working dilutions by titration test.

References

1. Inohara, N., et al., RICK, a novel protein kinase containing a caspase recruitment domain, interacts with CLARP and regulates CD95-mediated apoptosis. J. Biol. Chem., **273,** 12296-12300 (1998).
2. Bertin, J., et al., Human CARD4 protein is a novel CED-4/Apaf-1 cell death family member that activates NF-κB. J. Biol. Chem., **274,** 12955-12958 (1999).
3. McCarthy, J.V., et al., RIP2 is a novel NF-κB-activating and cell death-inducing kinase. J. Biol. Chem., **273,** 16968-16975 (1998).
4. Thome, M., et al., Identification of CARDIAK, a RIP-like kinase that associates with caspase-1. Curr. Biol., **8,** 885-888 (1998).

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