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Anti-ARC (CT)

CATALOG No.: PX101A SIZE: 100 µg
PX101B SIZE: 0.5 mg

BACKGROUND:

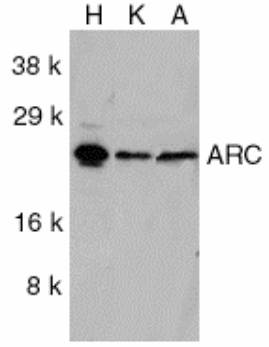
Apoptosis is regulated by death domain (DD) and/or caspase recruitment domain (CARD) containing molecules and a caspase family of proteases. CARD domain containing cell death regulators include RAIDD, Apaf-1, caspase-9, and caspase-2. A novel CARD domain containing protein was recently identified and designated ARC for apoptosis repressor with CARD (1). ARC interacts with caspase-2 and –8 and inhibits enzymatic activity of caspase-8. ARC suppresses apoptosis induced by cell death adapters FADD and TRADD and by cell death receptors Fas, TNFR-1 and DR3. The messenger RNA of ARC is primarily expressed in skeletal muscle and cardiac tissue (1).

SOURCE:

Rabbit anti-ARC (CT) polyclonal antibody was raised against a peptide corresponding to amino acids 191 to 208 of human origin (1).

APPLICATION:

This polyclonal antibody can be used for detection of ARC by Western blot at 1:1000 dilution. Whole cell lysate from HeLa cells can be used as positive control and an approximately 25 kDa band can be detected. This antibody is for research use only.



Western blot analysis of ARC in HeLa (H), KB (K), and A549 (A) whole cell lysates with anti-ARC (CT) at 1:1000 dilution.

STORAGE:

It is supplied as immunoaffinity chromatography purified IgG, 100 µg in 200 µl of PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.

REFERENCES:

1. Koseki T, Inohara N, Chen S, Nunez G. ARC, an inhibitor of apoptosis expressed in skeletal muscle and heart that interacts selectively with caspases. *Proc Natl Acad Sci U S A* 1998;95:5156-60

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

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