

Anti-Apoptosis repressor with CARD/NOL3 Antibody

Catalog Number: PA1793

About NOL3

NOL3 (Nucleolar protein 3), also known as ARC, NOP30, CARD2 and MYP, is a protein that in humans is encoded by the NOL3 gene. NOL3 has been shown to interact with SFRS9 and Caspase 8. By genomic sequence analysis, Stoss et al. (1999) determined that the NOL3 gene, which encodes NOP30 and MYP and which they called NOP, is composed of 4 exons. The alternative 5-prime splice site that generates the 2 isoforms is located in exon 2. It is reported that expression of the ARC cDNA encoding the smaller transcript inhibited apoptosis in a dose-dependent manner when coexpressed with CASP8 but not when coexpressed with CASP9. ARC also inhibited apoptosis induced by stimulation of CD95/FAS, tumor necrosis factor receptor-1, and TRAMP/death receptor-3. Enzymatic analysis showed that ARC inhibits the enzymatic activity of CASP8. Immunoprecipitation and immunoblot analysis indicated that ARC interacts with CASP2 and CASP8 through its N-terminal death effector domain but does not interact with CASP1, CASP3, or CASP9.

Overview

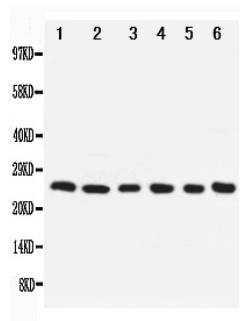
Product Name	Anti-Apoptosis repressor with CARD/NOL3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Apoptosis repressor with CARD/NOL3 Antibody catalog # PA1793. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O60936

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Apoptosis repressor with CARD, identical to the related rat sequence, and different from the related mouse sequence by one amino acid.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins

Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p>

Anti-Apoptosis repressor with CARD/NOL3 Antibody (PA1793) Images



Anti-Apoptosis repressor with CARD antibody, PA1793,
Western blotting
Lane 1: SMMC Cell Lysate
Lane 2: A549 Cell Lysate
Lane 3: U87 Cell Lysate
Lane 4: HELA Cell Lysate
Lane 5: MCF-7 Cell Lysate
Lane 6: Rat Liver Tissue Lysate

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