

Anti-Apoptosis regulator BAX Bax Antibody

Catalog Number: PA1013

About BAX

Apoptosis regulator BAX, also known as bcl-2-like protein 4, is a protein that in humans is encoded by the BAX gene. The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. Additionally, this protein is reported to interact with, and increase the opening of, the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in membrane potential and the release of cytochrome c. The expression of this gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis. Multiple alternatively spliced transcript variants, which encode different isoforms, have been reported for this gene.

Overview

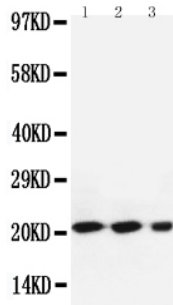
Product Name	Anti-Apoptosis regulator BAX Bax Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Apoptosis regulator BAX Bax Antibody catalog # PA1013. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Conjugate	FITC
Application	WB
Clonality	Monoclonal BAM-10
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
Host	Hamster
Uniprot ID	Q07812

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Bax, different from the related rat and mouse sequences by one amino acid.
Predicted Reactive Species	Chicken
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross reactivity with other proteins

Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/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 regulator BAX Bax Antibody (PA1013) Images



Anti-Bax antibody, PA1013, Western blotting
Lane 1: MCF-7 Cell Lysate
Lane 2: HELA Cell Lysate
Lane 3: MM231 Cell Lysate

67 Publications Citing This Product

1. PubMed ID: 23741243, Song Y, Zhang G, Zhu X, Pang Z, Xing F, Quan S. Oncol Lett. 2012 Sep;4(3):419-422. Epub 2012 Jun 19. Overexpression Of The Hydatidiform Mole-Related Gene F10 Inhibits Apoptosis In A549 Cells Through Downregulation Of Bcl2-Associated X Protein And ...
2. PubMed ID: 23983374, Zhou Yx, Qiu Yq, Xu Lq, Guo J, Li Lj. Afr J Tradit Complement Altern Med. 2012 Apr 2;9(3):405-11. Ecollection 2012. Xiao-Chai-Hu Tang In Treating Model Mice With D-Galactosamine-Induced Liver Injury.
3. PubMed ID: 22970041, Wei Q, He W, Lu Y, Yao J, Cao X. Oncol Lett. 2012 Sep;4(3):438-442. Epub 2012 Jun 7. Effect Of The Tumor Suppressor Gene Ing4 On The Proliferation Of Mcf-7 Human Breast Cancer Cells.

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