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Anti-Bax Rabbit Monoclonal Antibody

Catalog Number: M00183-1

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Overview

Product Name	Anti-Bax Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Bax Rabbit Monoclonal Antibody catalog # M00183-1. Tested in WB, IHC, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IHC, WB
Clonality	Monoclonal AAB-2
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q07812

Technical Details

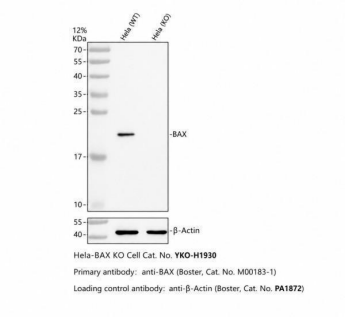
Immunogen	A synthesized peptide derived from human Bax
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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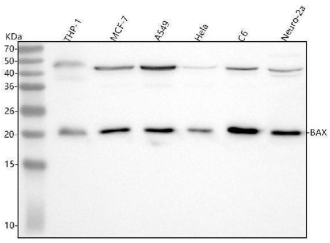
	IHC, 1:50-200 IP, 1:20 FC, 1:20

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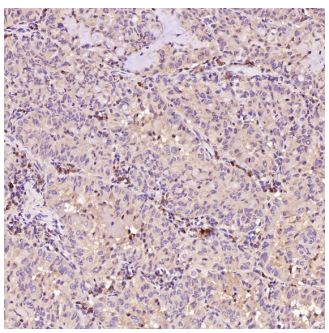
Anti-Bax Rabbit Monoclonal Antibody (M00183-1) Images



Western blot analysis of BAX using anti-BAX antibody (M00183-1). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela-WT whole cell lysates, Lane 2: human Hela-BAX KO whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-BAX antigen affinity purified monoclonal antibody (M00183-1) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for BAX at approximately 21 kDa. The expected band size for BAX is at 21 kDa.

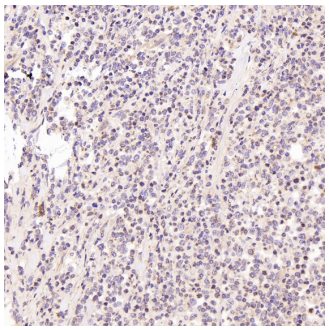


Western blot analysis of Bax using anti-Bax antibody (M00183-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human THP-1 whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: human A549 whole cell lysates, Lane 4: human Hela whole cell lysates, Lane 5: rat C6 whole cell lysates, Lane 6: mouse Neuro-2a whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Bax antigen affinity purified monoclonal antibody (Catalog # M00183-1) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Bax at approximately 21 kDa. The expected band size for Bax is at 21 kDa.

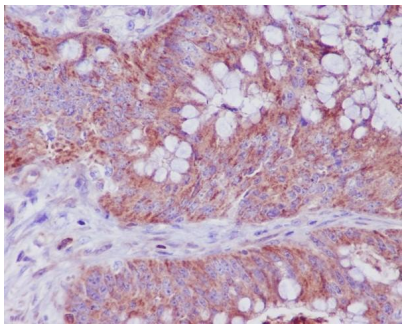


Immunohistochemical analysis of paraffin-embedded Human lung adenocarcinoma, using the Antibody at 1:200 dilution.

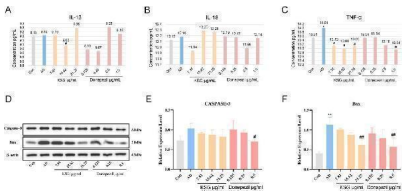
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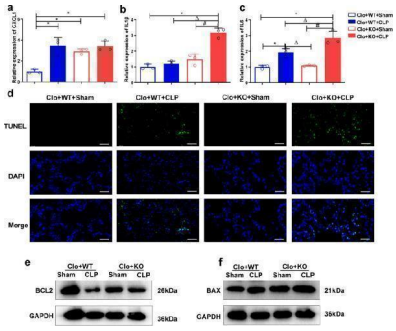
Immunohistochemical analysis of paraffin-embedded Human Hodgkin's lymphoma, using the Antibody at 1:200 dilution.



Immunohistochemical analysis of paraffin-embedded human adenocarcinoma of colon, using Bax Antibody.



Regulatory effects of KSG on the expression of cytokines and apoptosis-related factors in Abeta-induced PC12 cells. (A) Expression of IL-1beta (n = 3). (B) Expression of IL-18 (n = 3). (C) Expression of TNF-alpha (n = 3). (D) Protein expression of apoptosis-related factors in PC12 cells of each group (n = 3). (E) Expression of Caspase-3 (n = 3). (F) Expression of Bax (n = 3). Data were expressed as mean ± SD. * P < 0.05, ** P < 0.01, and *** P < 0.001 vs. Con. # P < 0.05, ## P < 0.01, and ### P < 0.001 vs. AD.Index in PubMed under a CC BY license. PMID: 41050397



Mice reconstituted with FGF2 KO macrophages and subjected to CLP exhibit increased proinflammatory gene expression and apoptosis. a - c The expression of the inflammatory factors CXCL1, IL1beta, and IL6 in lung tissue was detected by real-time PCR (n = 3 per group). d TUNEL staining was used to evaluate apoptosis in the lung tissue. e - f The apoptosis-associated genes BCL2 and Bax were identified by western blot analysis. Bar is 20 um. * p < 0.05, vs. WT; Δ p < 0.05, vs. WT + LPS; # p < 0.05 vs. FGF2 KO Index in PubMed under a CC BY license. PMID: 39436561

59 Publications Citing This Product

1. PubMed ID: 31424657, Meng K,Yuan G,Bao H,Wang L,Ma R,Yu B,Zhao S.Interaction of HCCR-1 and Bax in breast cancer.J BUON.2019 May-Jun;24(3):1027-1037.PMID:31424657.

2. PubMed ID: -, Su-Su Tang,Yi Ren,Xiao-Qian Ren,Jing-Ran Cao,Hao Hong,Hui Ji,Qing-Hua Hu,ERalpha and/or ERbeta activation ameliorates cognitive impairment, neurogenesis and apoptosis in type 2 diabetes mellitus mice,Experimental Neurology,Volume 311,2019,Pages 33-43,ISSN 0014-4886,https://doi.org/10.1016/j.expneurol.2018.09.002.

3. PubMed ID: 31920915, Ren Q,Hu Z,Jiang Y,Tan X,Botchway BOA,Amin N,Lin G,Geng Y,Fang M.SIRT1 Protects Against Apoptosis by Promoting

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Autophagy in the Oxygen Glucose Deprivation/Reperfusion-Induced Injury.Front Neurol.2019 Dec 5;10:1289.doi:10.3389/fneur.2019.01289.PMID:31920915;PMCID:PMC6915092.

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Anti-Bax Rabbit Monoclonal Antibody

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