

Anti-Bax Rabbit Monoclonal Antibody

Catalog Number: M00183-1

About BAX

C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates.

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 phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
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	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB 1:1000-1:2000 IHC 1:50-1:200 IP 1:50 FC 1:50
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Anti-Bax Rabbit Monoclonal Antibody (M00183-1) Images

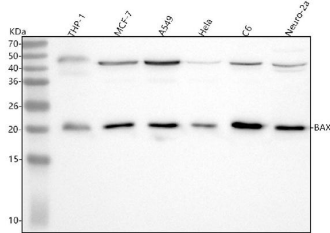


Figure 1. Western blot analysis of Bax using anti-Bax antibody (M00183-1).

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

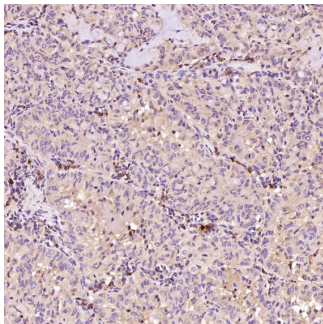
dilution of 1:5000 for 1.5 hour at RT. The signal is developed

using an Enhanced Chemiluminescent detection (ECL) kit

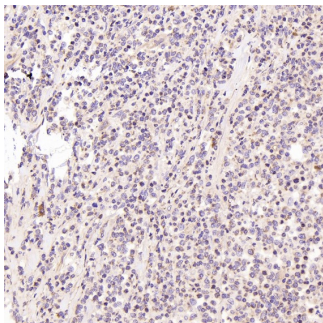
(Catalog # EK1002) with Tanon 5200 system. A specific

band was detected for Bax at approximately 21 kDa. The

expected band size for Bax is at 21 kDa.

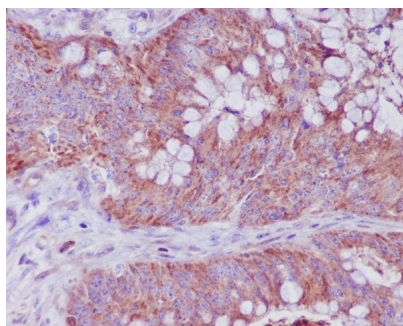


Immunohistochemical analysis of paraffin-embedded Human lung adenocarcinoma, using the Antibody at 1:200 dilution.



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.



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 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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