

BAX Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4080
Host	Mouse
Isotype	Mouse IgG2b
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human BAX(AA: (13-160)) expressed in E. Coli.
Mol wt	21.2kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	BCL2L4

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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. The association and the ratio of BAX to BCL2 also determines survival or death of a cell following an apoptotic stimulus. 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. [provided by RefSeq, Dec 2019]

Recommended Dilution

WB: 1:500 - 1:2000

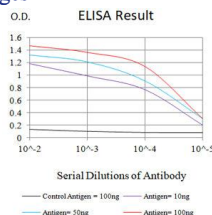
IHC-p: 1:200-1:1000

FCM: 1:200-1:400

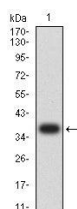
ELISA: 1:10000

Not yet tested in other applications.

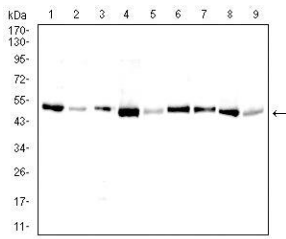
Images



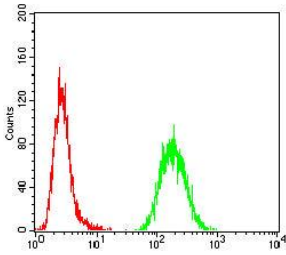
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



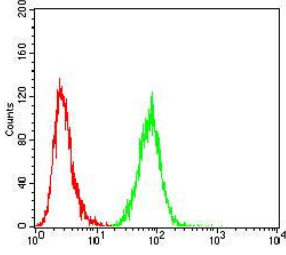
Western blot analysis using BAX mAb against human BAX (AA:(13-160)) recombinant protein. (Expected MW is 36.3 kDa)



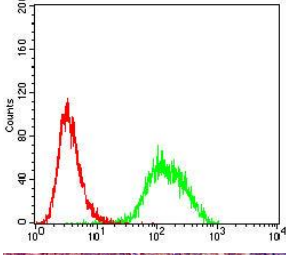
Western blot analysis using BAX mouse mAb against HeLa (1), C2C12 (2), C6 (3), HepG2 (4), MCF-7 (5), Ramos (6), Raji (7), HEK293 (8), and HEK293-6e (9) cell lysate.



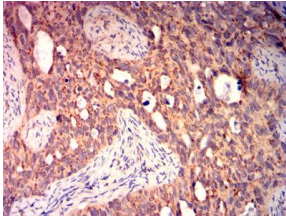
Flow cytometric analysis of HeLa cells using BAX mouse mAb (green) and negative control (red).



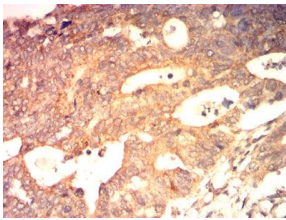
Flow cytometric analysis of Hepg2 cells using BAX mouse mAb (green) and negative control (red).



Flow cytometric analysis of Jurkat cells using BAX mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using BAX mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded colon cancer tissues using BAX mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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