

## Summary

|                        |                               |
|------------------------|-------------------------------|
| <b>Production Name</b> | BAX Mouse Monoclonal Antibody |
| <b>Description</b>     | Mouse Monoclonal Antibody     |
| <b>Host</b>            | Mouse                         |
| <b>Application</b>     | WB,IHC,FC,ELISA               |
| <b>Reactivity</b>      | Human, Mouse, Rat             |

## Performance

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                             |
| <b>Modification</b> | Unmodified                                                                               |
| <b>Isotype</b>      | Mouse IgG2b                                                                              |
| <b>Clonality</b>    | Monoclonal                                                                               |
| <b>Form</b>         | Liquid                                                                                   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Purified antibody in PBS with 0.05% sodium azide                                         |
| <b>Purification</b> | Affinity Purification                                                                    |

## Immunogen

|                          |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | BAX                                                                                   |
| <b>Alternative Names</b> | BCL2L4                                                                                |
| <b>Gene ID</b>           | 581.0                                                                                 |
| <b>SwissProt ID</b>      | Q07812.Purified recombinant fragment of human BAX (AA:(13-160)) expressed in E. Coli. |

## Application

|                         |                                                               |
|-------------------------|---------------------------------------------------------------|
| <b>Dilution Ratio</b>   | WB:1:500-1:2000,IHC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000 |
| <b>Molecular Weight</b> | 21.2kDa                                                       |

## Background

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**Product Name: BAX Mouse Monoclonal Antibody**  
**Catalog #: AMM82571**

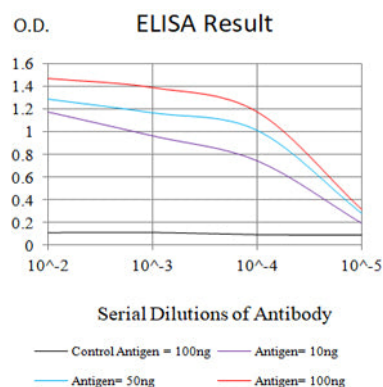


The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. 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]

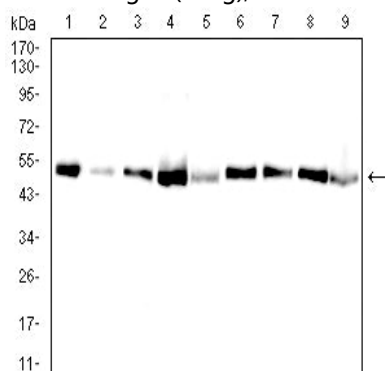
## Research Area

Apoptosis, TGF-beta signaling pathway

## Image Data

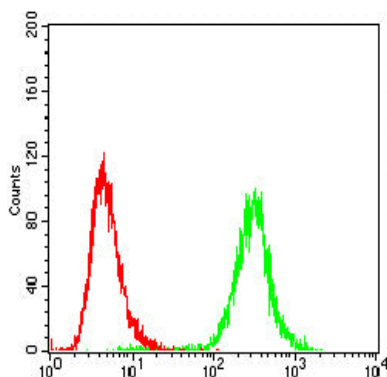


Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

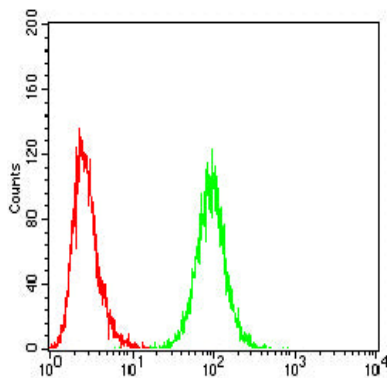


Western blot analysis using BAX mouse mAb against Hela (1), C2C12 (2), C6 (3), HepG2 (4), MCF-7 (5), Ramos (6), Raji (7), HEK293 (8), and HEK293-6e (9) cell lysate.

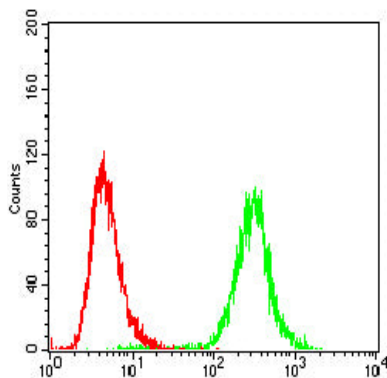
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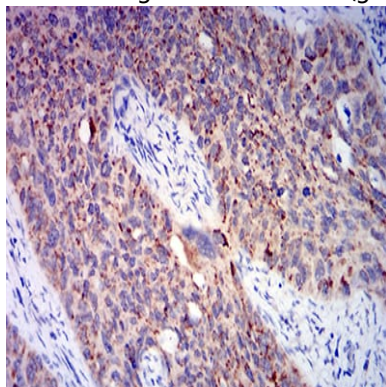
Flow cytometric analysis of Hela cells using BAX mouse mAb (green) and negative control (red).



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).

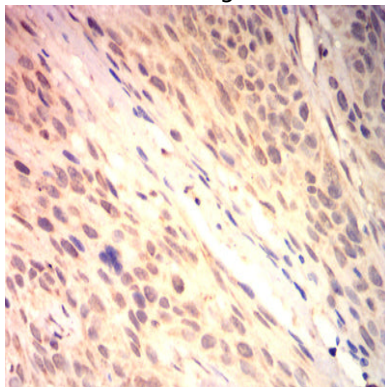


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Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using BAX mouse mAb with DAB staining.



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

#### **Note**

For research use only.