

DATASHEET

BAX Mouse Monoclonal Antibody(C2550)

CAT. NO. AMA02162

KEY FEATURES

Target	BAX	Source / Host	Mouse
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB, IHC, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Plays a role in the mitochondrial apoptotic process . Under normal conditions, BAX is largely cytosolic via constant retrotranslocation from mitochondria to the cytosol mediated by BCL2L1/Bcl-xL, which avoids accumulation of toxic BAX levels at the mitochondrial outer membrane (MOM) . Under stress conditions, undergoes a conformation change that causes translocation to the mitochondrion membrane, leading to the release of cytochrome c that then triggers apoptosis . Promotes activation of CASP3, and thereby apoptosis .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:500
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to BAX
Specificity	Recognizes endogenous levels of BAX protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human BAX expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 21 kD; Observed: 50 kD kD
Form/Buffer	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	BCL2L4; Apoptosis regulator BAX; Bcl-2-like protein 4; Bcl2-L-4
Gene Symbol	BAX
Entrez Gene	581(Human); 12028(Mouse)
SwissProt	Q07812(Human); Q07813(Mouse); Q63690(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

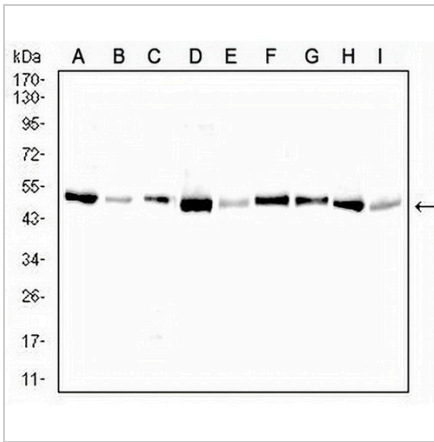
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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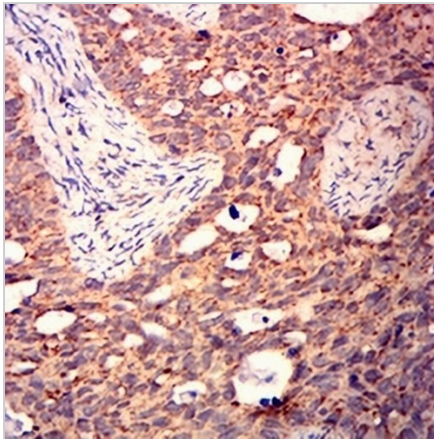
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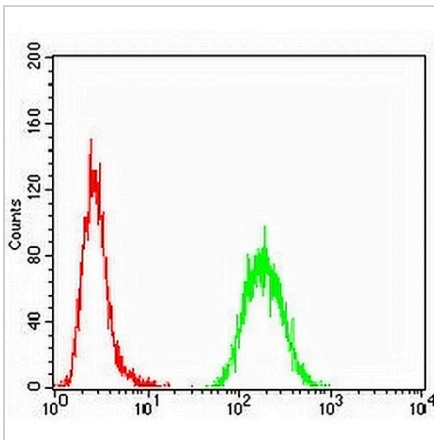
DATA



Western blot analysis of BAX expression in HeLa (A), C2C12 (B), C6 (C), HepG2 (D), MCF7 (E), Ramos (F), Raji (G), HEK293 (H), HEK293-6e (I) whole cell lysates. (Predicted band size: 21 kD; Observed band size: 50 kD)



Immunohistochemical analysis of BAX staining in human cervical cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of HeLa cells using Anti-BAX Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.