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Datasheet for ABIN3030145 anti-BAX antibody (AA 41-76)

6 Images



Overview

Quantity:	0.4 mL
Target:	BAX
Binding Specificity:	AA 41-76
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAX antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

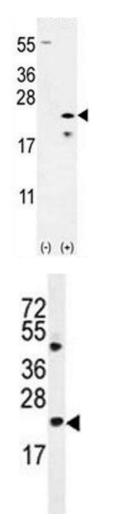
Product Details

Immunogen:	A portion of amino acids 41-76 (BH3 domain) from the human protein was used as the immunogen for this Bax antibody.
lsotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine
Purification:	Purified
Target Details	
Target:	BAX

Background:	Bax belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and
Alternative Name:	Bax (BAX Products)
Target:	BAX

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	act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. Bax forms a heterodimer with BCL2, and functions as an apoptotic activator. 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 the Bax gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis.
UniProt:	Q07812
Pathways:	p53 Signaling, PI3K-Akt Signaling, Apoptosis, Caspase Cascade in Apoptosis, Positive Regulation of Endopeptidase Activity, Unfolded Protein Response
Application Details	
Application Notes:	Titration of the Bax antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	In 1X PBS pH 7.4 with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the Bax antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

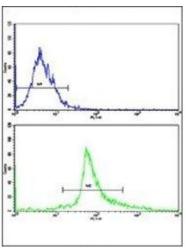


Western Blotting

Image 1. Western blot analysis of Bax antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (2) with the Bax gene.

Western Blotting

Image 2. Bax antibody western blot analysis in HL-60 lysate



Flow Cytometry

Image 3. Flow cytometric analysis of HepG2 cells using Bax antibody (green) compared to a negative control cell (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Please check the product details page for more images. Overall 6 images are available for ABIN3030145.

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