

Datasheet for ABIN5647494
anti-BAX antibody (AA 17-48)



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5 Images

Overview

Quantity:	100 µg
Target:	BAX
Binding Specificity:	AA 17-48
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 17-48 (EQIMKTGALLLQGFIQDRAGRMGGGEAPELALD) from the human protein were used as the immunogen for the Bax antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	BAX
Alternative Name:	Bax (BAX Products)
Background:	Apoptosis regulator BAX, also known as bcl-2-like protein 4, is a protein that in humans is encoded by the BAX gene. 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

Target Details

that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. Additionally, 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.

UniProt:	Q07812
Pathways:	p53 Signaling , PI3K-Akt Signaling , Apoptosis , Caspase Cascade in Apoptosis , Positive Regulation of Endopeptidase Activity , Unfolded Protein Response

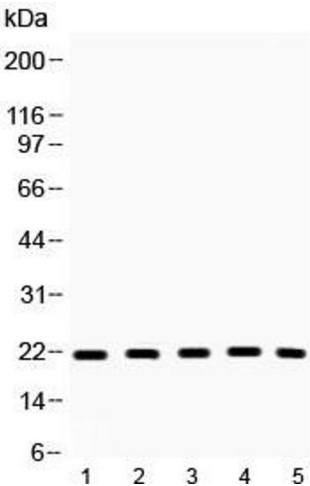
Application Details

Application Notes:	Optimal dilution of the Bax antibody should be determined by the researcher.\. WB: 0.5-1 µg/mL,IHC (FFPE): 1-2 µg/mL,FACS: 1-2 µg/10 ⁶ cells
Restrictions:	For Research Use only

Handling

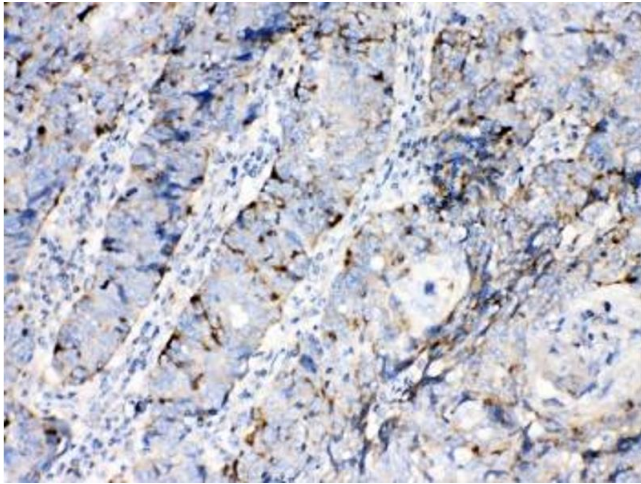
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the Bax antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



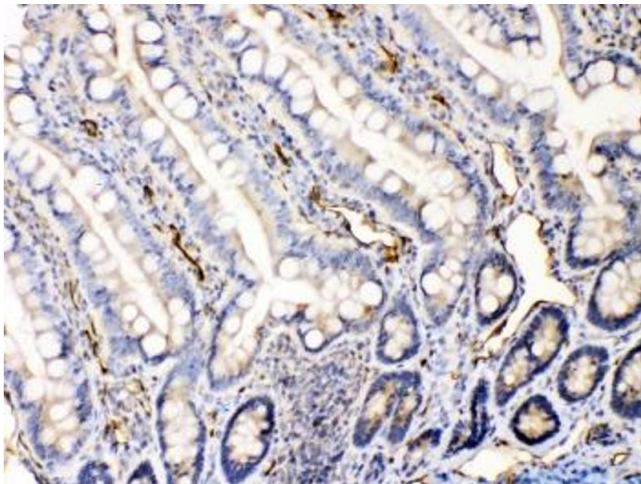
Western Blotting

Image 1. Western blot testing of 1) rat thymus, 2) mouse thymus, 3) mouse Hepa1-6, 3) human HeLa, 4) human MCF7 lysate with Bax antibody at 0.5ug/ml. Predicted molecular weight: 21-24 kDa.



Immunohistochemistry

Image 2. IHC testing of FFPE human lung cancer tissue with Bax antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Immunohistochemistry

Image 3. IHC testing of FFPE rat intestine tissue with Bax antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5647494.