

Datasheet for ABIN7265858
anti-BAX antibody



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4 Images

Overview

Quantity:	100 µL
Target:	BAX
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This BAX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	Bax Rabbit mAb
Immunogen:	A synthesized peptide derived from human Bax.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	BAX
Alternative Name:	BAX (BAX Products)
Background:	The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members

Target Details

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. 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, Jul 2008],BCL2L4,BAX,Apoptosis,Apoptosis_Bcl 2 family,Apoptosis_Inhibition of Apoptosis,Apoptosis_Mitochondrial Control of Apoptosis,Cancer,Cell Biology & Developmental Biology,Endocrine & Metabolism,Invasion and Metastasis,MAPK-JNK Signaling Pathway,Mitochondrial metabolism,Neurodegenerative Diseases,Neuroscience,PI3K-Akt Signaling Pathway,Signal Transduction,Warburg Effect,BAX

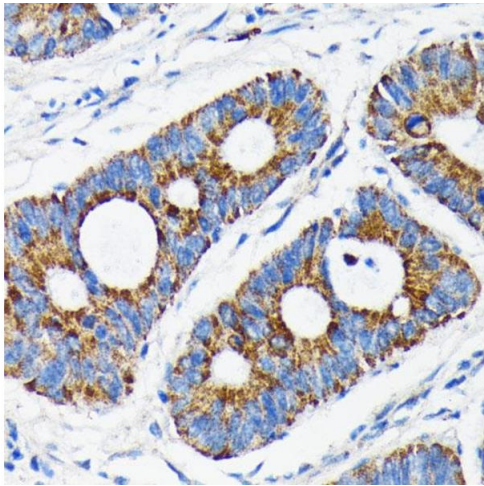
Molecular Weight:	21kDa
Gene ID:	581
UniProt:	Q07812
Pathways:	p53 Signaling , PI3K-Akt Signaling , Apoptosis , Caspase Cascade in Apoptosis , Positive Regulation of Endopeptidase Activity , Unfolded Protein Response

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

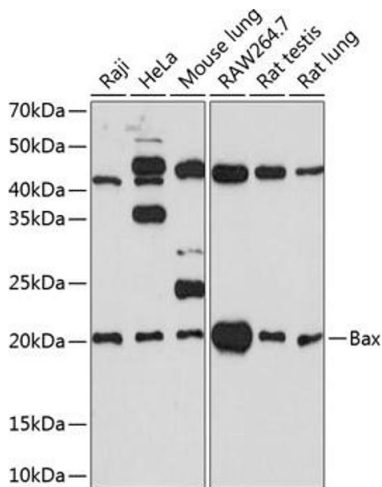
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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:	Store at -20°C. Avoid freeze / thaw cycles.



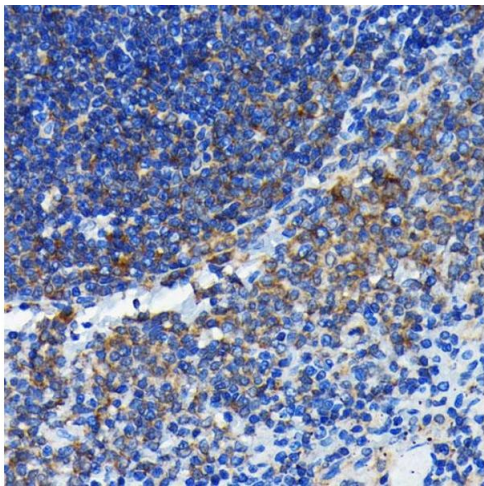
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon carcinoma using Bax antibody (ABIN7265858) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Bax antibody (ABIN7265858) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat spleen using Bax antibody (ABIN7265858) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7265858.