

## Basic Information

<b>Product Name</b>	Anti-BAX Antibody (Clone#AAB-2)		
<b>Gene Name</b>	BAX		
<b>Source</b>	Rabbit		
<b>Clonality</b>	Monoclonal		
<b>Isotype</b>	IgG		
<b>Species Reactivity</b>	human, mouse, rat, hamster		
<b>Tested Application</b>	WB, IHC, IP, FCM		
<b>Contents</b>	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.		
<b>Immunogen</b>	A synthesized peptide derived from human Bax		
<b>Concentration</b>	500 ug/ml		
<b>Purification</b>	Affinity-chromatography		
<b>Observed MW</b>	21 kDa		
<b>Dilution Ratios</b>	Western blot (WB):	1:500-2000	
	Immunohistochemistry (IHC):	1:50-200	
	ImmunoPrecipitation (IP):	1:20	
	Flow Cytometry (FCM):	1:20	

## Storage

12 months from date of receipt, -20°C as supplied.

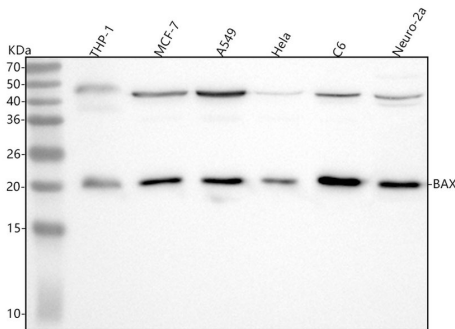
## Background Information

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 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.

## Reference

Anti-BAX Antibody (Clone#AAB-2)被引用在60文献中。

## Selected Validation Data



Western blot analysis of anti-BAX antibody (BM3964). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human THP-1 whole cell lysates,

Lane 2: human MCF-7 whole cell lysates,

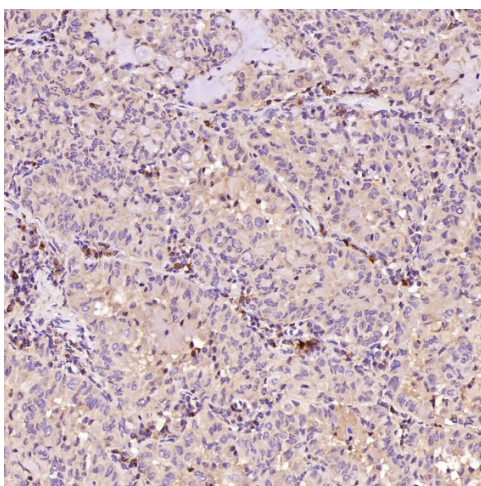
Lane 3: human A549 whole cell lysates,

Lane 4: human Hela whole cell lysates,

Lane 5: rat C6 whole cell lysates,

Lane 6: mouse Neuro-2a whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-BAX antigen affinity purified monoclonal antibody (BM3964) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for BAX at approximately 21 kDa. The expected band size for BAX is at 21 kDa.



Immunohistochemical analysis of paraffin-embedded Human lung adenocarcinoma, using the Antibody.