

## Basic Information

<b>Product Name</b>	Anti-BAX Antibody (Clone#OTI2A1)
<b>Gene Name</b>	BAX
<b>Source</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Species Reactivity</b>	human, mouse, rat
<b>Tested Application</b>	WB, IHC
<b>Contents</b>	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Immunogen</b>	Human recombinant protein fragment corresponding to amino acids 1-172 of human BAX (NP_620116) produced in E.coli.
<b>Concentration</b>	500 ug/ml
<b>Purification</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Observed MW</b>	21 kDa
<b>Dilution Ratios</b>	Western blot (WB): 1:500~2000 Immunohistochemistry (IHC):1:2000

## Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

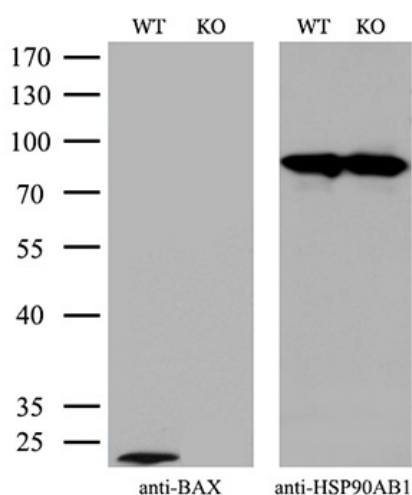
## Background Information

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.

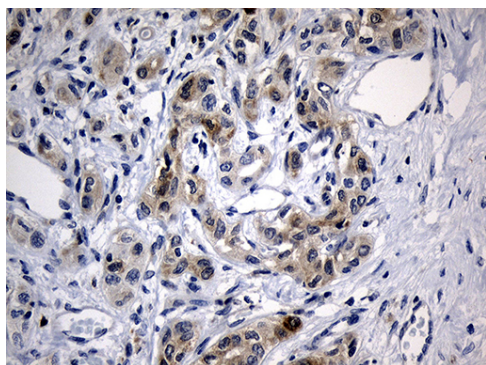
## Reference

Anti-BAX Antibody (Clone#OTI2A1)被引用在16文献中。

## Selected Validation Data



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT) and BAX-Knockout HeLa cells (KO) were separated by SDS-PAGE and immunoblotted with anti-BAX monoclonal antibody M00183-4. Then the blotted membrane was stripped and reprobed with anti-HSP90AB1 antibody ([M01692-2]) as a loading control (1:500).



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-BAX mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, M00183-4) (1:2000)