

Bax Rabbit mAb

Catalog No: #48690



Package Size: #48690-1 50ul #48690-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

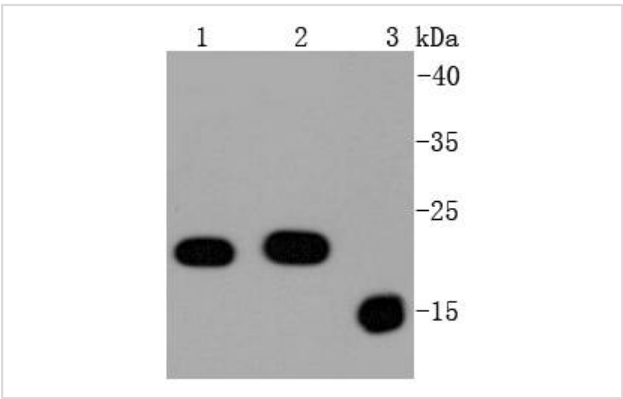
Description

Product Name	Bax Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SZ3-07
Purification	ProA affinity purified
Applications	WB, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Apoptosis regulator BAX antibody BAX antibody Bax-protein antibody BAX_HUMAN antibody BAXA antibody Baxdelta2G9 antibody Baxdelta2G9omega antibody Baxdelta2omega antibody Bcl-2-like protein 4 antibody BCL2 associated X protein antibody BCL2 associated X protein omega antibody BCL2 associated X protein transcript variant delta2 antibody Bcl2-L-4 antibody BCL2L4 antibody membrane isoform alpha antibody
Accession No.	Swiss-Prot#:Q07812
Calculated MW	21,15 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

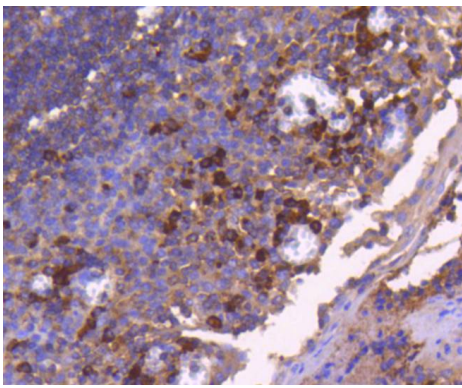
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200FC: 1:50-1:100

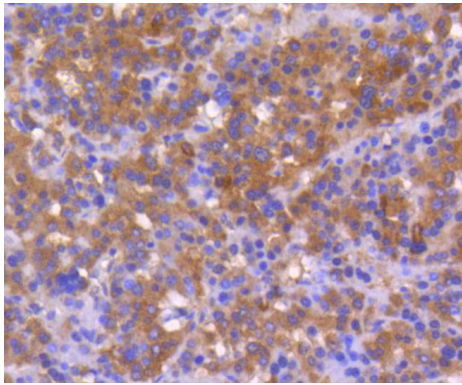
Images



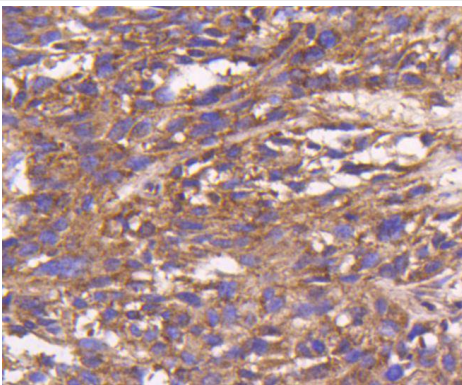
Western blot analysis of Bax on different lysates using anti-Bax antibody at 1/1,000 dilution. Positive control: Lane 1: Hela      Lane 2: MCF-7 Lane 3: Human liver



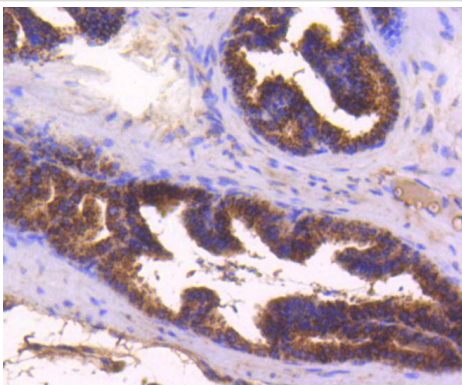
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Bax antibody. Counter stained with hematoxylin.



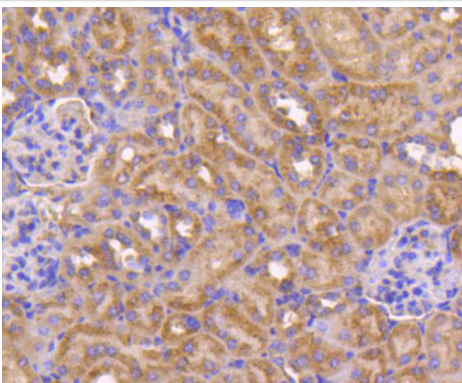
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Bax antibody. Counter stained with hematoxylin.



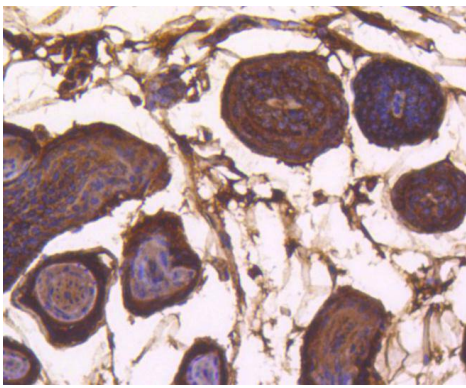
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Bax antibody. Counter stained with hematoxylin.



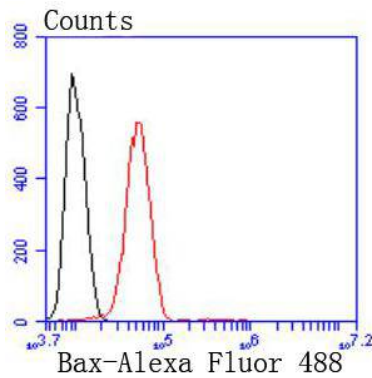
Immunohistochemical analysis of paraffin-embedded mouse prostate tissue using anti-Bax antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Bax antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse skin tissue using anti-Bax antibody. Counter stained with hematoxylin.



Flow cytometric analysis of Hela cells with Bax antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

## Background

The Bcl-2 gene was isolated at the chromosomal breakpoint of t-bearing follicular B cell lymphomas. Bcl-2 blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal. Bcl-2 is localized to outer mitochondrial membranes and endoplasmic reticulum as well as nuclear membranes. A related protein, designated Bax (Bcl-associated X protein), has extensive amino acid homology with Bcl-2 and both homodimerizes and forms heterodimers with Bcl-2. Overexpression of Bax accelerates apoptotic death induced by cytokine deprivation in an IL-3 dependent cell line and Bax also counters the death repressor activity of Bcl-2.

## References

1. He G et al. Gadd45b prevents autophagy and apoptosis against rat cerebral neuron oxygen-glucose deprivation/reperfusion injury. *Apoptosis* 21:390-403 (2016).
2. Chen B et al. Inhibition of miR-29c promotes proliferation, and inhibits apoptosis and differentiation in P19 embryonic carcinoma cells. *Mol Med Rep* 13:2527-35 (2016).

## Published Papers

et al., 5- $\zeta$  itro- $\eta$  3- $\zeta$  henylpropylamino) benzoic acid induces apoptosis of human lens epithelial cells via reactive oxygen species and endoplasmic reticulum stress through the mitochondrial apoptosis pathway. In *Int J Mol Med* on 2021 Apr by Lingzhi Niu, Xin Liu, et al.. PMID:33604681, (2021)

[PMID:33604681](https://pubmed.ncbi.nlm.nih.gov/33604681/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.