

For Research Use Only

BAX Monoclonal antibody

Catalog Number: 60267-1-Ig **145 Publications**



Basic Information

Catalog Number: 60267-1-Ig	GenBank Accession Number: BC014175	CloneNo.: 4G5E8
Size: 1600 µg/ml	GeneID (NCBI): 581	Recommended Dilutions: WB 1:5000-1:20000 IHC 1:500-1:2000
Source: Mouse	Full Name: BCL2-associated X protein	
Isotype: IgG2b	Calculated MW: 21 kDa	
Purification Method: Protein A purification	Observed MW: 21 kDa	
Immunogen Catalog Number: AG21068		

Applications

Tested Applications: FC, IHC, WB, ELISA	Positive Controls:
Cited Applications: CoIP, ICC, IF, IHC, WB	WB : HeLa cells; human testis tissue, HEK-293 cells, COLO 320 cells, PC-12 cells, ROS1728 cells, Neuro-2a cells
Species Specificity: human, mouse, rat	IHC : human liver cancer tissue;
Cited Species: human, mouse, pig, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

BAX, also named as BCL2L4, is a pro-apoptotic member of the Bcl-2 protein family, which plays a pivotal role in controlling cell life and death. Bax largely localizes to the cytoplasm of healthy cells, but accumulates on the outer mitochondrial membrane upon apoptosis induction (PMID: 9108035). BAX can commit a cell to apoptosis by translocation from the cytosol to the mitochondria and permeabilization of the outer mitochondrial membrane, which leads to the release of cytochrome c from mitochondria (PMID: 21763611). The expression of BAX is upregulated by the tumor suppressor protein p53, and BAX has been shown to be involved in p53-mediated apoptosis (PMID: 8183579).

Notable Publications

Author	Pubmed ID	Journal	Application
Jinliang Liu	34630847	Oxid Med Cell Longev	WB
Junjie Zhao	32989225	Br J Cancer	WB
Zhenbo Liu	30542392	Exp Ther Med	WB

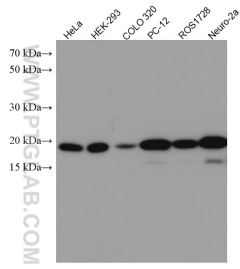
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

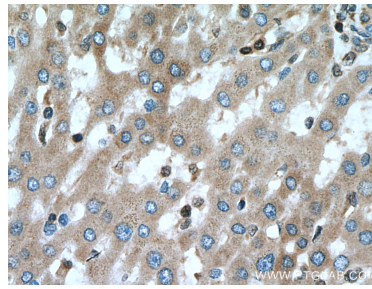
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

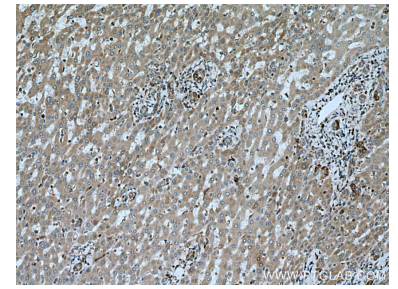
Selected Validation Data



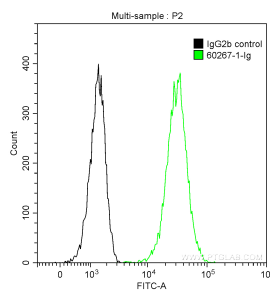
Various lysates were subjected to SDS PAGE followed by western blot with 60267-1-Ig (BAX antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 60267-1-Ig (BAX antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 60267-1-Ig (BAX antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ MCF-7 cells were stained with 0.2 ug Anti-Human BAX (60267-1-Ig, Clone:4G5E8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.