

For Research Use Only

BAX Monoclonal antibody, PBS Only

Catalog Number: 60267-1-PBS

Featured Product



Basic Information

Catalog Number:

60267-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG21068

GenBank Accession Number:

BC014175

GeneID (NCBI):

581

UNIPROT ID:

Q07812

Full Name:

BCL2-associated X protein

Calculated MW:

21 kDa

Observed MW:

21 kDa

Purification Method:

Protein A purification

CloneNo.:

4G5E8

Applications

Tested Applications:

WB, IP, FC, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

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).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

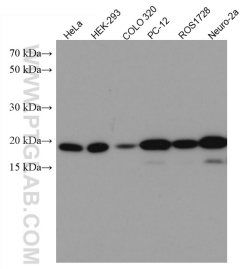
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

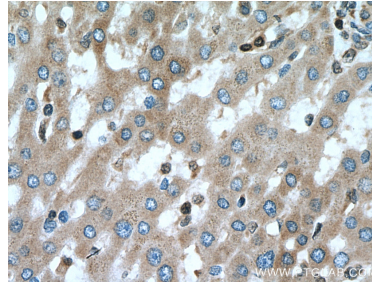
E: proteintech@ptglab.com
W: ptglab.com

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

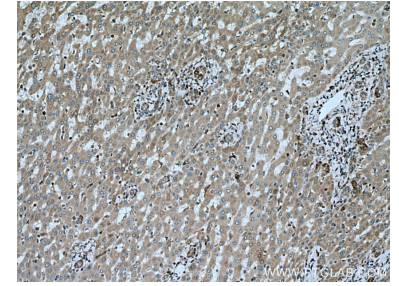
Selected Validation Data



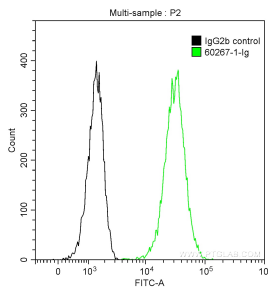
Various lysates were subjected to SDS PAGE followed by western blot with 60267-1-Ig (BAX antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60267-1-PBS in a different storage buffer formulation.



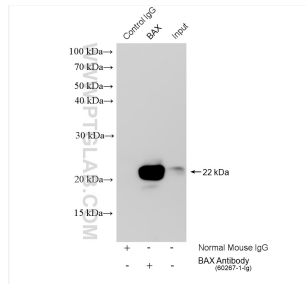
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 60267-1-Ig (BAX antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60267-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 60267-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 60267-1-PBS in a different storage buffer formulation.



IP result of anti-BAX (IP:60267-1-Ig, 4ug; Detection:60267-1-Ig 1:6000) with THP-1 cells lysate 1520 ug. This data was developed using the same antibody clone with 60267-1-PBS in a different storage buffer formulation.