

For Research Use Only

BAX Polyclonal antibody

Catalog Number: 50599-2-Ig

Featured Product

1912 Publications



Basic Information

Catalog Number:
50599-2-Ig

Size:
150ul, Concentration: 800 µg/ml by Nanodrop and 340 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0576

GenBank Accession Number:
BC014175

GeneID (NCBI):
581

Full Name:
BCL2-associated X protein

Calculated MW:
21 kDa

Observed MW:
21 kDa

Purification Method:
Protein A purification

Recommended Dilutions:
WB 1:5000-1:12000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB

Applications

Tested Applications:
FC, IP, WB, ELISA

Cited Applications:
ChIP, CoIP, FC, IHC, IP, WB

Species Specificity:
human, mouse, rat

Cited Species:
bovine, canine, chicken, goat, hamster, Hu Sheep, human, mouse, pig, rabbit

Positive Controls:

WB: HT-1080 cells, RAW 264.7 cells, HeLa cells, HEK-293 cells, mouse kidney tissue, rat kidney tissue, COLO 320 cells, Raji cells, rat lung tissue, PC-12 cells

IP: Raji cells,

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
Ling Guo	34867437	Front Physiol	WB
Mengru Xie	32999278	Int J Oral Sci	WB
Tong Li	33152931	Biomed Pharmacother	WB

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

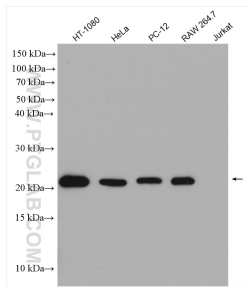
For technical support and original validation data for this product please contact:

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

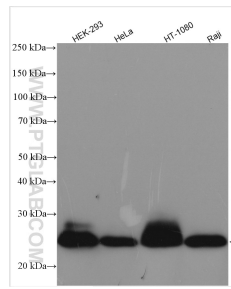
E: proteintech@ptglab.com
W: ptglab.com

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

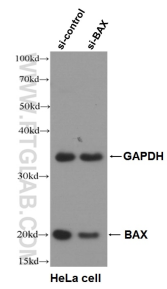
Selected Validation Data



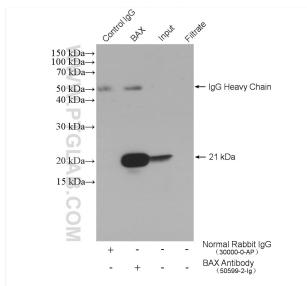
Various lysates were subjected to SDS PAGE followed by western blot with 50599-2-Ig (BAX antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. Jurkat cell lysate used as a negative control.



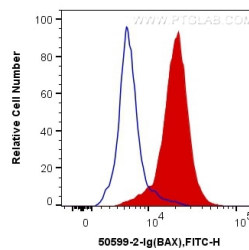
Various lysates were subjected to SDS PAGE followed by western blot with 50599-2-Ig (BAX antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



WB result of BAX antibody (50599-2-Ig, 1:5000) with si-Control and si-BAX transfected HeLa cells.



IP result of anti-BAX (IP:50599-2-Ig, 4ug; Detection:50599-2-Ig 1:1000) with Raji cells lysate 3160 ug.



1X10⁶ Ramos cells were intracellularly stained with 0.4 ug Anti-Human BAX (50599-2-Ig) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).