

[KO Validated] Bax Rabbit pAb

Catalog No.: A12009 **KO Validated** **20 Publications**

Basic Information

Catalog No.

A12009

Observed MW

21kDa

Calculated MW

4kDa/12kDa/15kDa/18kDa/19kDa/21kDa/24kDa

Category

Primary antibody

Applications

WB, IHC, IF, IP

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:100 - 1:200
IF	1:50 - 1:200
IP	1:50 - 1:200

Contact

 | www.abclonal.com

Background

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. 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.

Immunogen Information

Gene ID	Swiss Prot
581	Q07812

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Bax (NP_620116.1).

Synonyms

BCL2L4;BAX

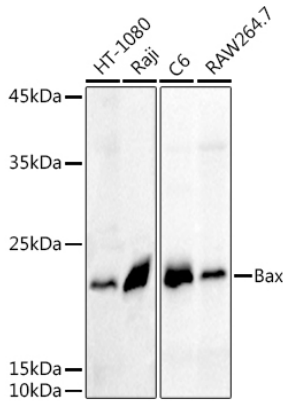
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

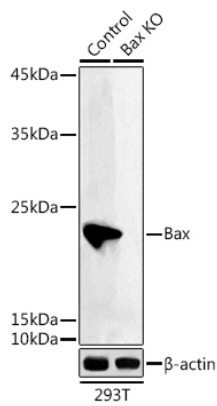
Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

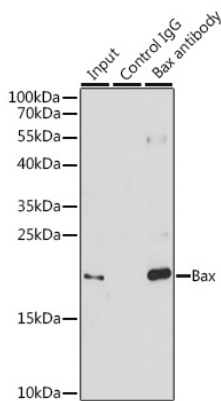
Validation Data



Western blot analysis of extracts of various cell lines, using Bax antibody (A12009) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

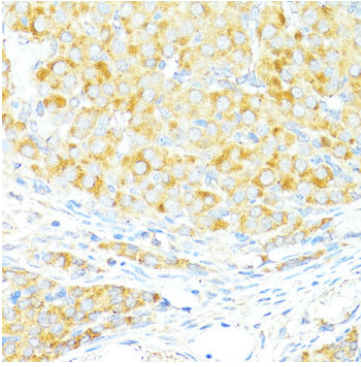


Western blot analysis of extracts from normal (control) and Bax knockout (KO) 293T cells, using Bax antibody (A12009) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

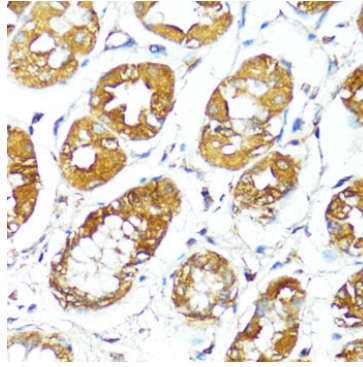


Immunoprecipitation analysis of 200ug extracts of 293T cells, using 3 ug Bax antibody (A12009).
Western blot was performed from the immunoprecipitate using Bax antibody (A12009) at a dilution of 1:1000.

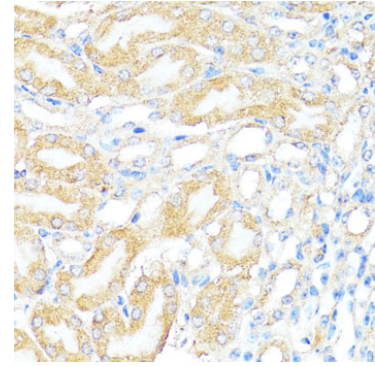
Validation Data



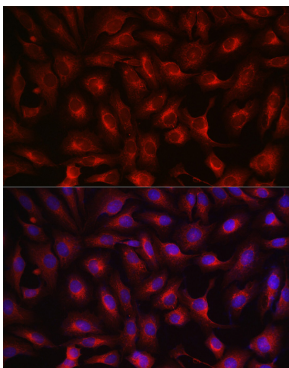
Immunohistochemistry of paraffin-embedded rat ovary using Bax antibody (A12009) at dilution of 1:100 (40x lens).



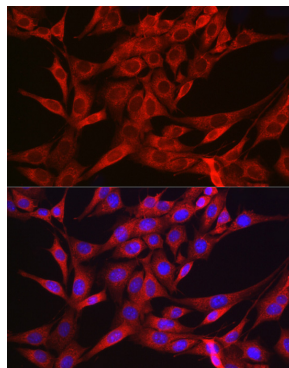
Immunohistochemistry of paraffin-embedded human stomach using Bax antibody (A12009) at dilution of 1:100 (40x lens).



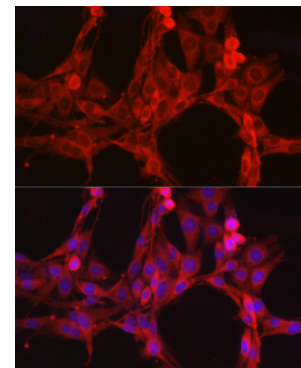
Immunohistochemistry of paraffin-embedded mouse kidney using Bax antibody (A12009) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using Bax antibody (A12009) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Bax antibody (A12009) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using Bax antibody (A12009) at dilution of 1:100. Blue: DAPI for nuclear staining.