

BAX Polyclonal Antibody

Catalog No.	A0207	Category	Polyclonal Antibodies
Applications	WB, IHC, IF	Observed MW	21kDa
Cross-reactivity	Human, Mouse	Calculated MW	4kDa/12kDa/15kDa/18kDa/19kDa/21kDa/24kDa

Immunogen Information

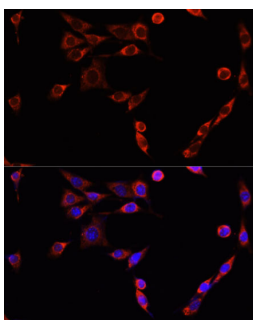
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human BAX (NP_620116.1).
Gene ID	581
Swiss prot	Q07812
Synonyms	BCL2L4

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

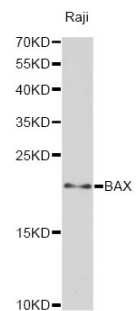
The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. 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.



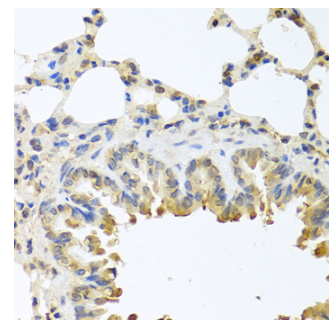
Immunofluorescence analysis of NIH/3T3 cells using BAX antibody (A0207) at dilution of 1:100. Blue: DAPI for nuclear staining.

Recommended Dilutions

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



Western blot analysis of extracts of Raji cells, using BAX antibody (A0207) at 1:3000 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: 90s.



Immunohistochemistry of paraffin-embedded mouse lung using Bax antibody (A0207) at dilution of 1:100 (40x lens).