

Bax Antibody

Catalog No: #24250

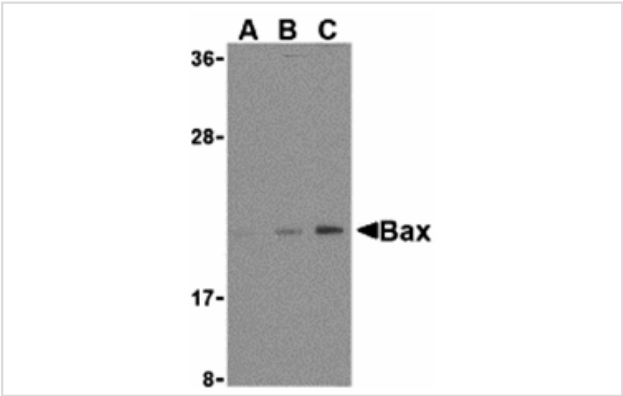


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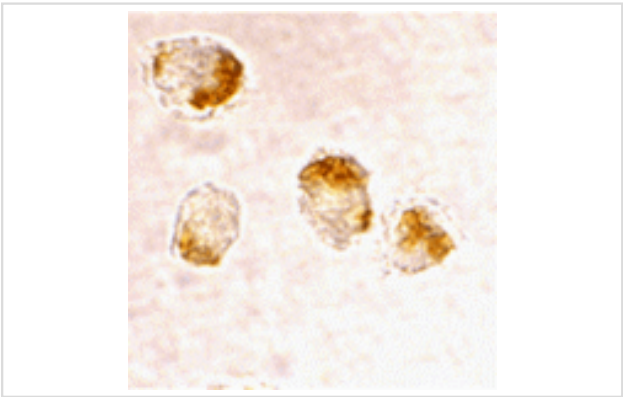
Description

Product Name	Bax Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Ion exchange chromatography purified
Applications	ELISA WB ICC IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to 16 amino acids near the amino-terminus of human Bax.
Target Name	Bax
Accession No.	Swiss-Prot:Q07812Gene ID:581
Uniprot	Q07812
GeneID	581;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of Bax in HL-60 cell lysates with Bax antibody at (A) 1, (B) 2, and (C) 4 ug/mL.



Immunocytochemistry staining of HL-60 cells using Bax at 2 ug/mL.

## Background

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Apoptosis plays a major role in normal organism development, tissue homeostasis, and removal of damaged cells. Disruption of this process has been implicated in a variety of diseases such as cancer. The Bcl-2 family of proteins is comprised of critical regulators of apoptosis that can be divided into two classes: those that inhibit apoptosis and those that promote cell death. Bax, a pro-apoptotic Bcl-2 family member, is a cytosolic protein that changes conformation and translocates to the mitochondria following apoptotic stimuli. It is thought to share significant functional homology with Bak, another pro-apoptotic Bcl-2 family member, as disruption of bax or bak has little effect on cell death, but mice lacking both genes display multiple developmental defects and cells lacking both show decreased apoptotic capability.

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Note: This product is for in vitro research use only