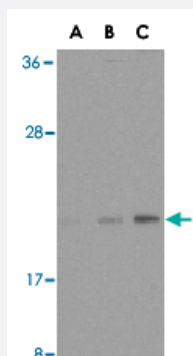


BAX polyclonal antibody

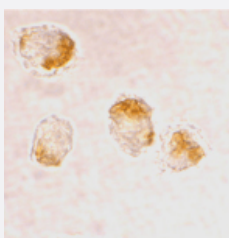
Catalog # PAB12927 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of BAX in HL-60 cell lysates with BAX polyclonal antibody (Cat # PAB12927) at (A) 1, (B) 2, and (C) 4 ug/mL .



Immunocytochemistry

Immunocytochemistry staining of HL-60 cells using BAX polyclonal antibody (Cat # PAB12927) at 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BAX.
Immunogen	A synthetic peptide corresponding to N-terminus 16 amino acids of human BAX.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	Western Blot (2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of BAX in HL-60 cell lysates with BAX polyclonal antibody (Cat # PAB12927) at (A) 1, (B) 2, and (C) 4 ug/mL .

- Immunocytochemistry

Immunocytochemistry staining of HL-60 cells using BAX polyclonal antibody (Cat # PAB12927) at 2 ug/mL .

Gene Info — BAX

Entrez GeneID	581
Protein Accession#	AAA03619
Gene Name	BAX
Gene Alias	BCL2L4
Gene Description	BCL2-associated X protein
Omim ID	600040
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	apoptosis regulator BAX

Publication Reference

- [The Bcl-2 protein family and its role in the development of neoplastic disease.](#)

Heiser D, Labi V, Erlacher M, Villunger A.

Experimental Gerontology 2004 Aug; 39(8):1125.

- [The Bcl-2 family: roles in cell survival and oncogenesis.](#)

Cory S, Huang DC, Adams JM.

Oncogene 2003 Nov; 22(53):8590.

- [Cell death in the third millennium.](#)

Lockshin RA, Osborne B, Zakeri Z.

Cell Death and Differentiation 2000 Jan; 7(1):2.

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)
- [Colorectal cancer](#)
- [Neurotrophin signaling pathway](#)
- [p53 signaling pathway](#)
- [Pathways in cancer](#)
- [Prion diseases](#)

Disease

- [Adenocarcinoma](#)
- [Ataxia Telangiectasia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)

- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Head and Neck Neoplasms](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Occupational Diseases](#)
- [Osteomyelitis](#)
- [Parkinson disease](#)
- [Pemphigus](#)

- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)