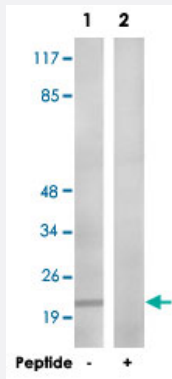


BAX polyclonal antibody

Catalog # PAB18268 Size 100 ug

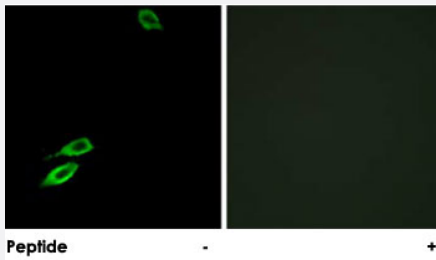
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HepG2 cells, using BAX polyclonal antibody (Cat # PAB18268).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of LoVo cells, using BAX polyclonal antibody (Cat # PAB18268).

Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BAX.
Immunogen	A synthetic peptide corresponding to residues surrounding T167 of human BAX.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to BAX.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunofluorescence (1:500-1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	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 extracts from HepG2 cells, using BAX polyclonal antibody (Cat # PAB18268).
Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of LoVo cells, using BAX polyclonal antibody (Cat # PAB18268).
Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — BAX

Entrez GeneID	581
Protein Accession#	Q07812
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

- [Humanin peptide suppresses apoptosis by interfering with Bax activation.](#)

Guo B, Zhai D, Cabezas E, Welsh K, Nouraini S, Satterthwait AC, Reed JC.

Nature 2003 May; 423(6938):456.

Application: IP, WB-Tr, Human, Monkey, Mouse, COS-7, HCT-116 cells, Mouse testes, SF268 cells

- [Molecular cloning and characterization of Bif-1. A novel Src homology 3 domain-containing protein that associates with Bax.](#)

Cuddeback SM, Yamaguchi H, Komatsu K, Miyashita T, Yamada M, Wu C, Singh S, Wang HG.

The Journal of Biological Chemistry 2001 Jun; 276(23):20559.

Application: IF, IP, WB-Ce, WB-Tr, Human, FL5.12, HEK 293T cells

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](#)