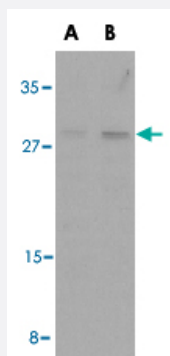


BAK1 polyclonal antibody

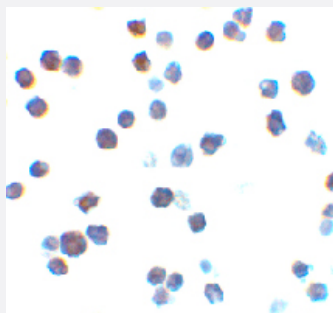
Catalog # PAB12926 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of BAK1 in L1210 cell lysates with BAK1 polyclonal antibody (Cat # PAB12926) at (A) 1 and (B) 2 ug/mL .



Immunocytochemistry

Immunocytochemistry of BAK1 in L1210 cells with BAK1 polyclonal antibody (Cat # PAB12926) at 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BAK1.
Immunogen	A synthetic peptide corresponding to N-terminus 13 amino acids of human BAK1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Western Blot (1-2 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 BAK1 in L1210 cell lysates with BAK1 polyclonal antibody (Cat # PAB12926) at (A) 1 and (B) 2 ug/mL .

- Immunocytochemistry

Immunocytochemistry of BAK1 in L1210 cells with BAK1 polyclonal antibody (Cat # PAB12926) at 2 ug/mL .

Gene Info — BAK1

Entrez GeneID	578
Protein Accession#	Q16611
Gene Name	BAK1
Gene Alias	BAK, BAK-LIKE, BCL2L7, CDN1, MGC117255, MGC3887
Gene Description	BCL2-antagonist/killer 1
Omim ID	600516
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form oligomers or heterodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein localizes to mitochondria, and functions to induce apoptosis. It interacts with and accelerates the opening of the mitochondrial voltage-dependent anion channel, which leads to a loss in membrane potential and the release of cytochrome c. This protein also interacts with the tumor suppressor P53 after exposure to cell stress. [provided by RefSeq]
Other Designations	BCL2-like 7 protein Bcl-2 homologous antagonist/killer OTTHUMP00000016211 OTTHUMP00000039620 apoptosis regulator BAK pro-apoptotic protein BAK

Publication Reference

- [Ovatodiolide sensitizes aggressive breast cancer cells to doxorubicin, eliminates their cancer stem cell-like phenotype, and reduces doxorubicin-associated toxicity.](#)

Bamodu OA, Huang WC, Tzeng DT, Wu A, Wang LS, Yeh CT, Chao TY.

Cancer Letters 2015 Aug; 364(2):125.

Application: WB, Human, HS578T, MDA-MB-231 cells

- [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.

- [Modulation of apoptosis by the widely distributed Bcl-2 homologue Bak.](#)

Kiefer MC, Brauer MJ, Powers VC, Wu JJ, Umansky SR, Tomei LD, Barr PJ.

Nature 1995 Apr; 374(6524):736.

Application: Flow Cyt, Human, FL5.12, WHL2 cells

Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Ataxia Telangiectasia](#)
- [Autoimmune Diseases](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
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- [Kidney Failure](#)

- [Lung Neoplasms](#)
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- [Werner syndrome](#)