# antibodies - online.com







## anti-BAK1 antibody (N-Term)





Overview	
Quantity:	100 μL
Target:	BAK1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus
	region of human BAK. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to BAK (BCL2-antagonist/killer 1)
	BAK antibody [N1N2], N-term
Purification:	Purified by antigen-affinity chromatography.
Target Details	
Target:	BAK1

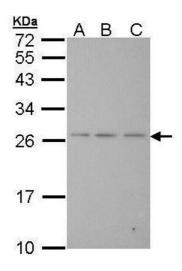
### **Target Details**

Alternative Name:	BCL2 antagonist/killer 1 (BAK1 Products)
Background:	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.
	Cellular Localization: Membrane
Molecular Weight:	23 kDa
Gene ID:	578
UniProt:	Q16611
Pathways:	Apoptosis, Steroid Hormone Mediated Signaling Pathway, ER-Nucleus Signaling, Positive
	Regulation of Endopeptidase Activity, Unfolded Protein Response
Application Details	
Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined
	by the researcher. Not tested in other applications.
Comment:	Validation: Orthogonal
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS (pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE
	which should be handled by trained staff only.
	4 °C,-20 °C

Storage Comment:

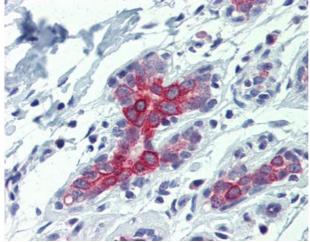
Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

#### **Images**



#### **Western Blotting**

Image 1. WB Image Sample (30 ug of whole cell lysate) A: Hela B: Hep G2, C: Molt-4, 12% SDS PAGE antibody diluted at 1:1000



#### **Immunohistochemistry**

**Image 2.** IHC-P Image Immunohistochemical analysis of paraffin-embedded human liver, bile duct, using BAK1, antibody(10  $\mu$ g/ml).