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Datasheet for 200-401-Z23

BAK Antibody

Overview

Description:	Anti-BAK (RABBIT) Antibody - 200-401-Z23
Item No.:	200-401-Z23
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	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. Bak, a pro-apoptotic Bcl-2 family member, is an oligomeric protein that localizes to the mitochondria. It is thought to share significant functional homology with Bax, another pro-apoptotic Bcl-2 family member, as disruption of bak or bax has little effect on cell death, but mice lacking both genes display multiple developmental defects and cells lacking bak and bax show decreased apoptotic capability.
Synonyms:	Bak Antibody, BAK, CDN1, BCL2L7, BAK-LIKE, BAK, Apoptosis regulator BAK, Bcl2-L-7
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BAK1
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Bak antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to 13 amino acids near the amino-terminus of human Bak.

Purity/Specificity:	Anti-Bak Antibody is affinity chromatography purified via peptide column. Cross reactivity with Bak from other sources has not been determined.
Relevant Links:	• UniProtKB - Q16611 • GeneID - 578 • NCBI - NP_001179.1

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-Bak Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 23 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1 - 2 µg/mL

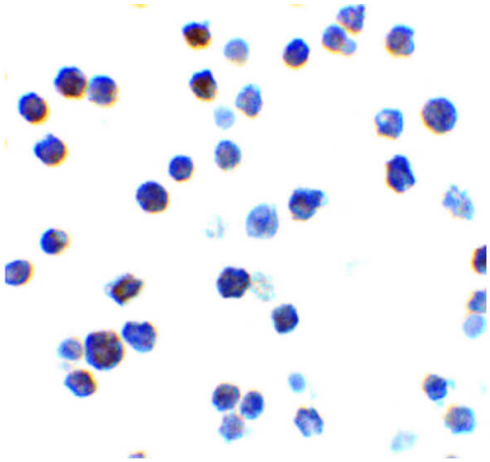
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

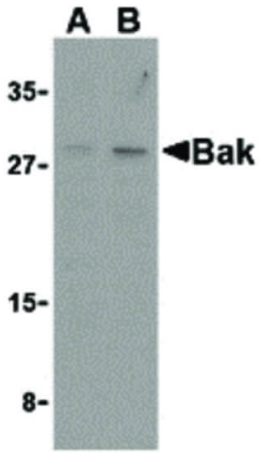
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunocytochemistry of Bak antibody. Cell Type: L1210 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Bak antibody at 2 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Bak is located in the cell membrane and mitochondrion. Staining: Bak is stained with toluidine blue.



Western Blot
Western Blot of Bak antibody in L1210 cell lysates. Lane A: Bak antibody at 1 µg/mL. Lane B: Bak antibody at 2 µg/mL. Load: 35 µg per lane. Primary antibody: Bak antibody at designated concentrations for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 23 kDa, 28 kDa for Bak. Other band(s): Bak splice variants and isoforms.

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