

Datasheet for ABIN2779335
anti-BAK1 antibody (N-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	BAK1
Binding Specificity:	N-Term
Reactivity:	Human, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	ASGQGP GPPR QECGEPALPS ASEEQVAQDT EEVFRSYV FY RHQQEQEAEG
Predicted Reactivity:	Horse: 80%, Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against BAK1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	BAK1
Alternative Name:	BAK1 (BAK1 Products)
Background:	BAK1 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

Target Details

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.

Alias Symbols: BAK, BAK-LIKE, BCL2L7, CDN1, MGC117255, MGC3887

Protein Interaction Partner: BCL2L2, BCL2A1, BCL2L1, BMH1, NFKBIB, HSD17B4, TOMM7, ABCB10, TOMM40, TP53, BAX, MCL1, UBC, DBN1, ARHGDIA, MFN1, BCL2L10, VDAC1, ERN1, BID, BAK1, VDAC2, BCL2, HSPD1, FRYL, SRRM2, MYCBP2, AKAP13, ACTR2, KRT31, FBL, DFFA,

Protein Size: 211

Molecular Weight:	23 kDa
Gene ID:	578
NCBI Accession:	NM_001188 , NP_001179
UniProt:	Q16611
Pathways:	Apoptosis , Steroid Hormone Mediated Signaling Pathway , ER-Nucleus Signaling , Positive Regulation of Endopeptidase Activity , Unfolded Protein Response

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 211 AA
Restrictions:	For Research Use only

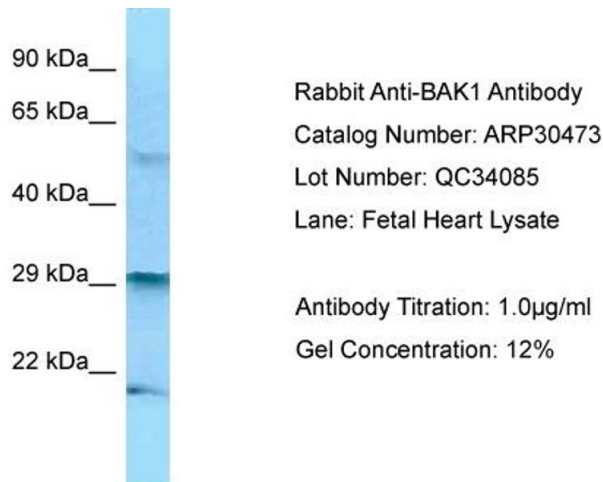
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

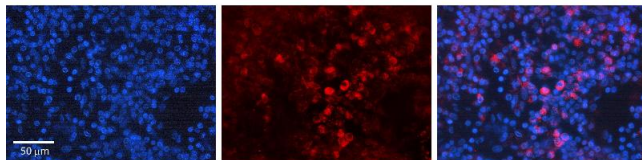
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-BAK1 Antibody Titration: 1.0 µg/ml Positive Control: Fetal Heart



Immunohistochemistry

Image 2. Rabbit Anti-BAK1 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Lymph Node Tissue Observed Staining: Cytoplasm Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec