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Datasheet for ABIN3042342 anti-BAK1 antibody (AA 22-211)

10 Images

2 Publications



Overview

Quantity:	100 µg
Target:	BAK1
Binding Specificity:	AA 22-211
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Bcl-2 homologous antagonist/killer(BAK1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human BAK recombinant protein (Position: A22-S211). Human BAK shares 78.3 % amino acid (aa) sequence identity with mouse BAK.
Isotype:	lgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Bcl-2 homologous antagonist/killer(BAK1) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: BCL2-antagonist/killer 1 Protein Name: Bcl-2 homologous antagonist/killer
Purification:	Immunogen affinity purified.

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Tarat	Dataila
rarget	Details

Target:	BAK1
Alternative Name:	BAK1 (BAK1 Products)
Background:	BAK, officially called Bcl2 antagonist killer, is a protein that in humans, encoded by the BAK
	gene. The BAK protein is a pro-apoptotic member of the Bcl-2 gene family which is involved in
	initiating apoptosis. BAK gene spans 7.6 kb and contains 6 exons. By Southern blot analysis of
	genomic DNA from human/rodent somatic cell hybrids, BAK gene is localized to chromosome
	6. 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. This protein also
	interacts with the tumor suppressor P53 after exposure to cell stress.
	Synonyms: Apoptosis Regulator Bak antibody BAK antibody BAK like antibody Bak NT
	antibody BAK_HUMAN antibody BAK1 antibody Bcl 2 homologous antagonist/killer antibody Bc
	2 like 7 protein antibody Bcl-2 homologous antagonist/killer antibody Bcl-2-like protein 7
	antibody BCL2 antagonist/killer 1 antibody Bcl2 like 7 Protein antibody Bcl2-L-7
	antibody BCL2L7 antibody CDN1 antibody Cell death inhibitor 1 antibody MGC117255
	antibody MGC3887 antibody NBak antibody Pro apoptotic protein BAK antibody
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: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat
	IHC-P: Concentration: 0.5-1 μ g/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by
	Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the
	staining of formalin/paraffin sections.
	Notes: Tested Species: Species with positive results. Other applications have not been tested.
	Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

Restrictions:

For Research Use only

ABIN921231 in IHC(P).

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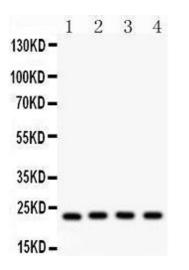
Handling

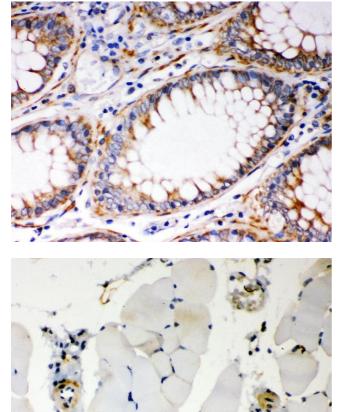
Handling Advice:Avoid repeated freezing and thawing.Storage:4 °C/-20 °CStorage Comment:At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing		
Concentration:500 µg/mLBuffer:Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.Preservative:Sodium azidePrecaution of Use:This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE whi should be handled by trained staff only.Handling Advice:Avoid repeated freezing and thawing.Storage:4 °C/-20 °CStorage Comment:At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated free	Format:	Lyophilized
Buffer:Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.Preservative:Sodium azidePrecaution of Use:This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE whi should be handled by trained staff only.Handling Advice:Avoid repeated freezing and thawing.Storage:4 °C/-20 °CStorage Comment:At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated free	Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 μ g/mL.
Preservative:Sodium azidePrecaution of Use:This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE whi should be handled by trained staff only.Handling Advice:Avoid repeated freezing and thawing.Storage:4 °C/-20 °CStorage Comment:At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing	Concentration:	500 μg/mL
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Publications

Product cited in:Zuo, Wu, Xu, Yang, Yan, Tan, Meng, Ying, Liu, Kang, Huang: "Minicircle-oriP-IFNγ: a novel
targeted gene therapeutic system for EBV positive human nasopharyngeal carcinoma." in: PLoSONE, Vol. 6, Issue 5, pp. e19407, (2011) (PubMed).

Tong, Zheng, Wang, Liu, Qian: "BAK overexpression mediates p53-independent apoptosis inducing effects on human gastric cancer cells." in: **BMC cancer**, Vol. 4, pp. 33, (2004) (PubMed).





Western Blotting

Image 1. Anti- BAK Picoband antibody, Western blotting All lanes: Anti BAK at 0.5ug/ml Lane 1: Rat Skeletal Muscle Tissue Lysate at 50ug Lane 2: Mouse Cardiac Muscle Tissue Lysate at 50ug Lane 3: MCF-7 Whole Cell Lysate at 40ug Lane 4: HELA Whole Cell Lysate at 40ug Predicted bind size: 23KD Observed bind size: 23KD

Immunohistochemistry

Image 2. Anti- BAK Picoband antibody, IHC(P) IHC(P): Human Intestinal Cancer Tissue

Immunohistochemistry

Image 3. Anti- BAK Picoband antibody, IHC(P) IHC(P): Mouse Skeletal Muscle Tissue

Please check the product details page for more images. Overall 10 images are available for ABIN3042342.

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