

Datasheet for ABIN4950296

anti-BAK1 antibody (AA 22-211)



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8 Images

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)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Amino acids 22-211 of human BAK were used as the immunogen for the BAK antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	BAK1
Alternative Name:	BAK (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

Target Details

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.

UniProt:	Q16611
Pathways:	Apoptosis , Steroid Hormone Mediated Signaling Pathway , ER-Nucleus Signaling , Positive Regulation of Endopeptidase Activity , Unfolded Protein Response

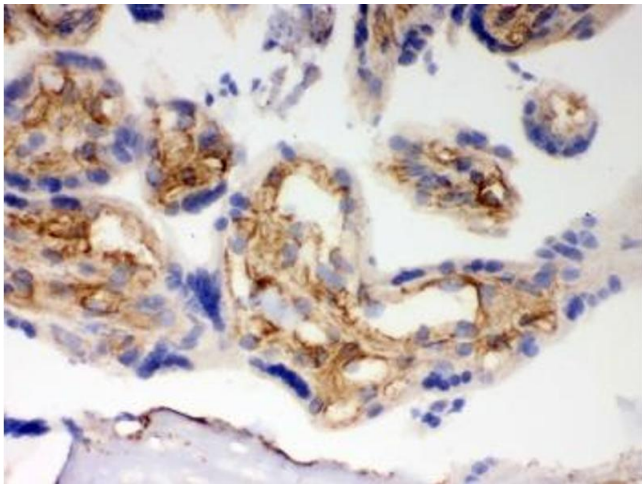
Application Details

Application Notes:	Optimal dilution of the BAK antibody should be determined by the researcher.\. Western blot: 0.1-0.5 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,IHC (Frozen): 0.5-1 µg/mL,ICC (Paraffin): 0.5-1 µg/mL
Restrictions:	For Research Use only

Handling

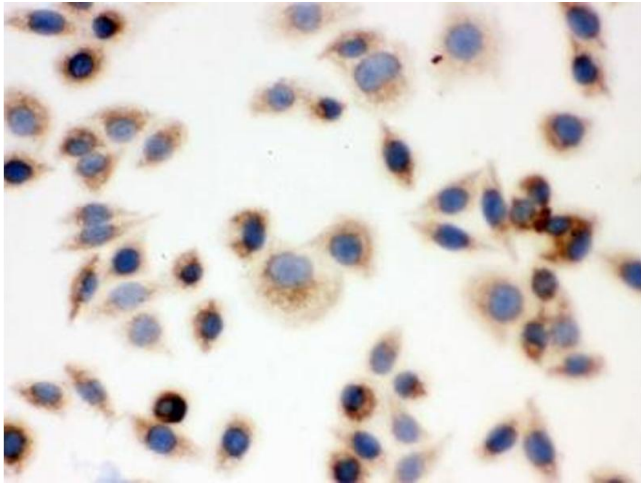
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the BAK antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



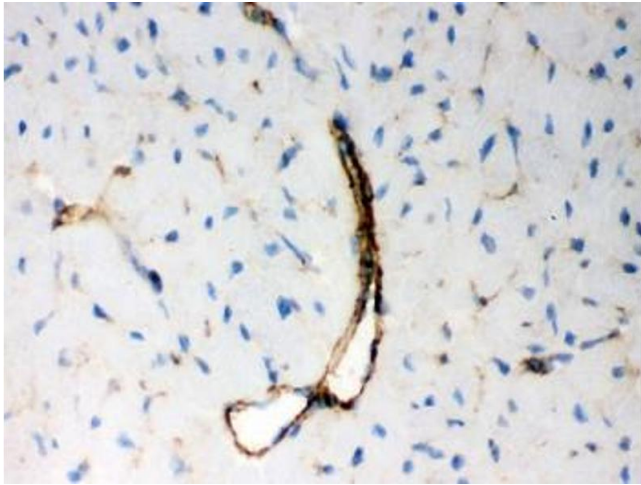
Immunohistochemistry

Image 1. IHC testing of frozen human placental tissue with BAK antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Immunocytochemistry

Image 2. ICC testing of FFPE human SMMC-7721 cells with BAK antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Immunohistochemistry

Image 3. IHC testing of frozen mouse heart tissue with BAK antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN4950296.