

Bak Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50023

Specification

Bak Antibody - Product Information

Application	WB, IHC
Primary Accession	O16611
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23 KDa
Antigen Region	1-30

Bak Antibody - Additional Information

Gene ID 578

Other Names

Bcl-2 homologous antagonist/killer, Apoptosis regulator BAK, Bcl-2-like protein 7, Bcl2-L-7, BAK1, BAK, BCL2L7, CDN1

Dilution

WB~~ 1:250-1:1000

IHC~~1:50-1:100

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

Bak Antibody - Protein Information

Name BAK1

Synonyms BAK, BCL2L7, CDN1

Function

Plays a role in the mitochondrial apoptotic process. Upon arrival of cell death signals, promotes mitochondrial outer membrane (MOM) permeabilization by oligomerizing to form pores within the MOM. This releases apoptogenic factors into the cytosol, including cytochrome c, promoting the activation of caspase 9 which in turn processes and activates the effector caspases.

Cellular Location

Mitochondrion outer membrane; Single-pass membrane protein

Tissue Location

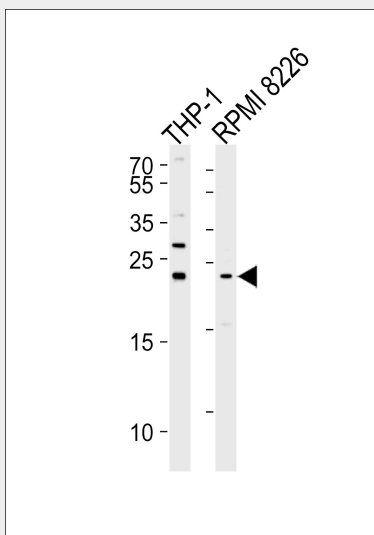
Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle

Bak Antibody - Protocols

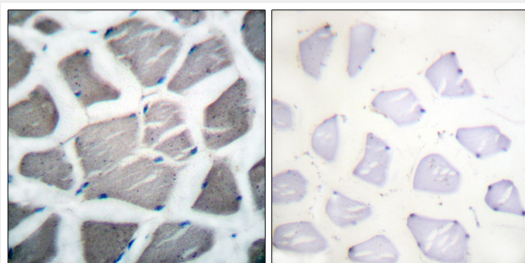
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Bak Antibody - Images



Western blot analysis of lysates from THP-1, RPMI 8226 cell line (from left to right), using Bak Antibody (C0131). C0131 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue using Bak antibody.

Bak Antibody - Background

In the presence of an appropriate stimulus, accelerates programmed cell death by binding to, and

antagonizing the anti- apoptotic action of BCL2 or its adenovirus homolog E1B 19k protein. Low micromolar levels of zinc ions inhibit the promotion of apoptosis.

Bak Antibody - References

Farrow S.N.,et al.Nature 374:731-733(1995).

Chittenden T.,et al.Nature 374:733-736(1995).

Kiefer M.C.,et al.Nature 374:736-739(1995).

Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

Mungall A.J.,et al.Nature 425:805-811(2003).