10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

## Specification

### Bak Antibody - Product Information

| | |
|---|---|
| Application | **WB, IHC** |
| Primary Accession | Q16611 |
| 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℃

### 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

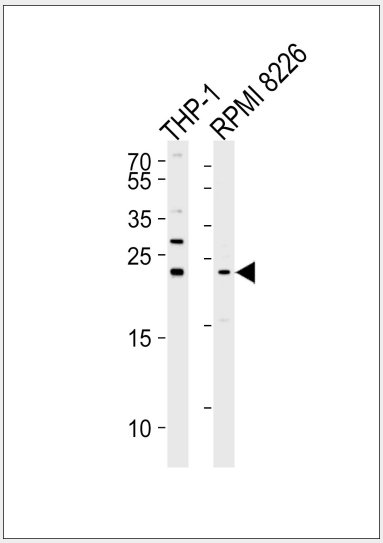
**Tissue Location**
Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle

## Bak Antibody - Protocols

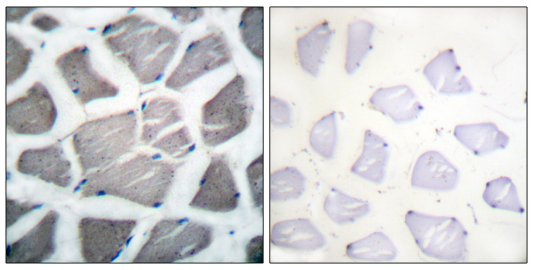
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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 35ug 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).