

BAK1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10023**Specification**

BAK1 Antibody - Product Information

Application	WB
Primary Accession	Q16611
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	23409

BAK1 Antibody - Additional Information**Gene ID 578**

Positive Control	Jurkat cell lysate
Application & Usage	Western blot analysis (1-4 µg/ml) and immunoprecipitation (5-20 µg/ml).

Other Names

Apoptosis regulator BAK, Bcl-2-like protein 7

Target/Specificity

Bak1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) peptide affinity purified rabbit anti-Bak polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

BAK1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

BAK1 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

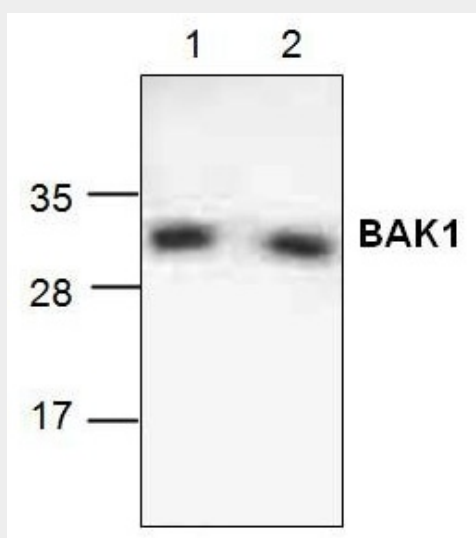
Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle

BAK1 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](#)

BAK1 Antibody - Images



Western blot analysis of BAK1 using Jurkat cell lysate (Lane 1 & 2).

BAK1 Antibody - Background

Bak is a homolog of apoptosis inhibitor Bcl-2. Bak is a member of the Bcl-2 family of proteins and contains Bcl-2 homology region (BH-) 1, 2 and 3. Unlike Bcl-2, Bak promotes cell death and counteracts the anti-apoptotic effect of Bcl-2. The immunoaffinity purified antibody detects a 30 kDa band, corresponding to the expected molecular weight of Bak on SDS-PAGE immunoblots.