

Anti-Bak BAK1 Rabbit Monoclonal Antibody

Catalog # ABO13240

Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	Q16611
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Bak BAK1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse.

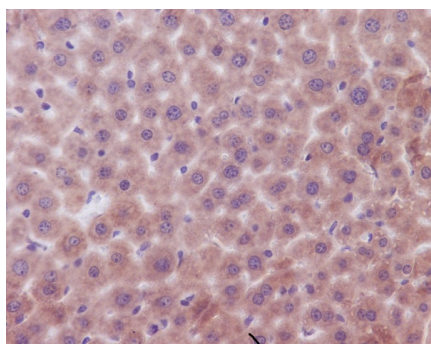
Additional Information

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
Calculated MW	23409
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50
Subcellular Localization	Mitochondrion membrane ; Single-pass membrane protein.
Tissue Specificity	Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: CHI-2
Immunogen	A synthesized peptide derived from human Bak
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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

Images



Immunohistochemical analysis of paraffin-embedded mouse liver, using Bak Antibody.

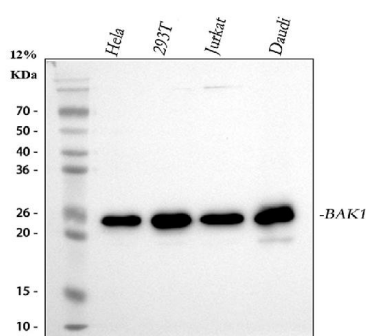
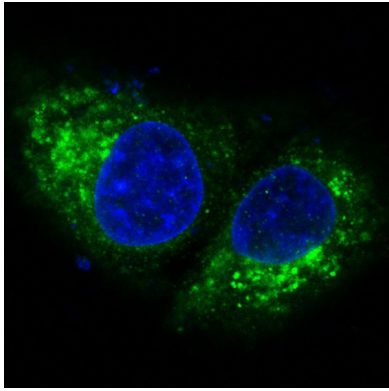


Figure 1. Western blot analysis of Bak using anti-Bak antibody (M01163).

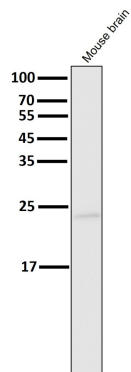
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HeLa whole cell lysates,
Lane 2: human 293T whole cell lysates,
Lane 3: human Jurkat whole cell lysates,
Lane 4: human Daudi whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Bak antigen affinity purified monoclonal antibody (Catalog # M01163) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:1000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Bak at approximately 23-25 kDa. The expected band size for Bak is at 23 kDa.



Immunofluorescent analysis of HeLa cells, using Bak Antibody.



All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.