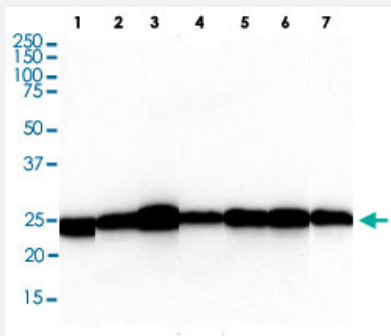


BAK1 monoclonal antibody, clone AT38E2

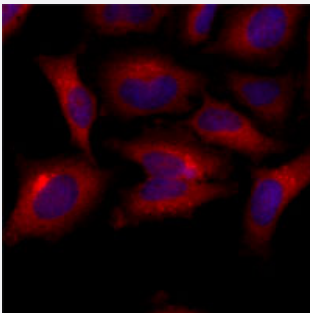
Catalog # MAB8753 Size 100 uL

Applications



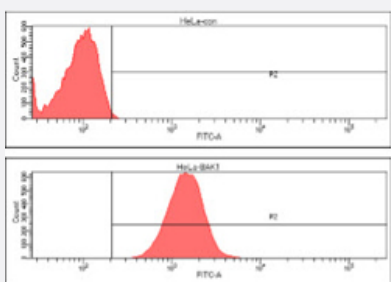
Western Blot

Western blot analysis of Lane 1: 293T cell lysate, Lane 2: HeLa cell lysate, Lane 3: A431 cell lysate, Lane 4: A549 cell lysate, Lane 5: Jurkat cell lysate, Lane 6: MCF7 cell lysate, Lane 7: PC3 cell lysate.



Immunofluorescence

Immunofluorescence of human HeLa cells stained with Hoechst 3342 (Blue) for nucleus staining and BAK1 monoclonal antibody, clone AT38E2 (Cat # MAB8753) (1 : 500) with Texas Red (Red).



Flow Cytometry

Flow cytometry analysis of HeLa cell line, staining at 2-5 ug for 1x10⁶ cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

Specification

Product Description

Mouse monoclonal antibody raised against partial recombinant BAK1.

Immunogen

Recombinant protein corresponding to amino acids 29-187 of human BAK1.

Host	Mouse
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Concentration	1 mg/mL
Isotype	IgG2a, kappa
Recommend Usage	ELISA Flow Cytometry Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: 293T cell lysate, Lane 2: HeLa cell lysate, Lane 3: A431 cell lysate, Lane 4: A549 cell lysate, Lane 5: Jurkat cell lysate, Lane 6: MCF7 cell lysate, Lane 7: PC3 cell lysate.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence of human HeLa cells stained with Hoechst 3342 (Blue) for nucleus staining and BAK1 monoclonal antibody, clone AT38E2 (Cat # MAB8753) (1 : 500) with Texas Red (Red).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometry analysis of HeLa cell line, staining at 2-5 ug for 1×10^6 cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

Gene Info — BAK1

Entrez GeneID [578](#)

Protein Accession# [NP_001179](#)

Gene Name BAK1

Gene Alias BAK, BAK-LIKE, BCL2L7, CDN1, MGC117255, MGC3887

Gene Description BCL2-antagonist/killer 1

Omim ID [600516](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form oligomers or heterodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. 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 c. This protein also interacts with the tumor suppressor P53 after exposure to cell stress. [provided by RefSeq]

Other Designations BCL2-like 7 protein|Bcl-2 homologous antagonist/killer|OTTHUMP00000016211|OTTHUMP00000039620|apoptosis regulator BAK|pro-apoptotic protein BAK

Disease

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- [Arthritis](#)
- [Ataxia Telangiectasia](#)
- [Autoimmune Diseases](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
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- [Esophageal Neoplasms](#)

- [Genetic Predisposition to Disease](#)
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- [Lupus Erythematosus](#)
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