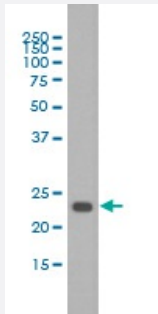


# BAK1 monoclonal antibody, clone CHI-2

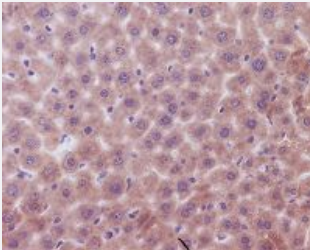
Catalog # MAB19603      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate with BAK1 monoclonal antibody.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded mouse liver with BAK1 monoclonal antibody.

## Specification

|                            |                                                                            |
|----------------------------|----------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit monoclonal antibody raised against synthetic peptide of human BAK1. |
| <b>Immunogen</b>           | A synthetic peptide corresponding to human BAK1.                           |
| <b>Host</b>                | Rabbit                                                                     |
| <b>Reactivity</b>          | Human                                                                      |
| <b>Form</b>                | Liquid                                                                     |
| <b>Purification</b>        | Affinity purification                                                      |
| <b>Isotype</b>             | IgG                                                                        |

|                            |                                                                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommend Usage</b>     | Immunocytochemistry (1:50-1:200)<br>Immunofluorescence (1:50-1:200)<br>Immunohistochemistry (1:50-1:200)<br>Immunoprecipitation (1:50)<br>Flow Cytometry (1:50)<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                                                                                     |
| <b>Storage Instruction</b> | Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.                                                                                |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                                                                               |

## Applications

- Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate with BAK1 monoclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded mouse liver with BAK1 monoclonal antibody.

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

- Flow Cytometry

## Gene Info — BAK1

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| <b>Entrez GeneID</b>      | <a href="#">578</a>                             |
| <b>Protein Accession#</b> | <a href="#">Q16611</a>                          |
| <b>Gene Name</b>          | BAK1                                            |
| <b>Gene Alias</b>         | BAK, BAK-LIKE, BCL2L7, CDN1, MGC117255, MGC3887 |
| <b>Gene Description</b>   | 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

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Ataxia Telangiectasia](#)
- [Autoimmune Diseases](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Pulmonary Disease](#)
- [Rheumatic Diseases](#)

- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)