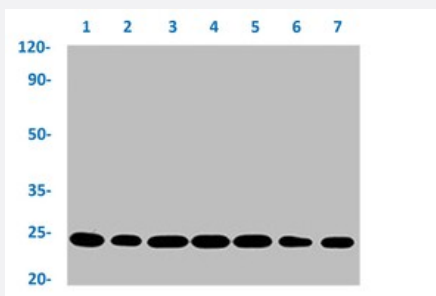


RecomAb™

BAK1 recombinant monoclonal antibody, clone 8D1

Catalog # RAB04322 Size 100 uL

Applications



Western Blot

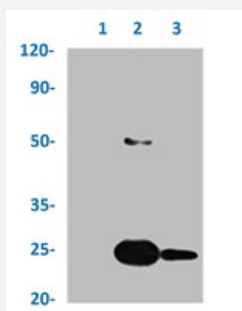
Western blot analysis of Lane 1: Hela whole cell lysate, Lane 2: MCF-7 whole cell lysate, Lane 3: THP-1 whole cell lysate, Lane 4: 293 whole cell lysate, Lane 5: A549 whole cell lysate, Lane 6: K562 whole cell lysate and Lane 7: Colo320 whole cell lysate with BAK1 recombinant monoclonal antibody, clone 8D1 (Cat # RAB04322).

Immunohistochemistry

Immunohistochemical staining of human endometrial cancer with BAK1 recombinant monoclonal antibody, clone 8D1 (Cat # RAB04322) (diluted at 1:100).

Immunohistochemistry

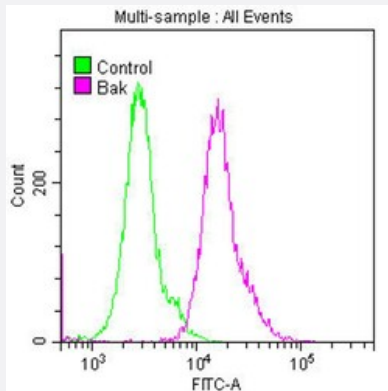
Immunohistochemical staining of human lymph node tissue with BAK1 recombinant monoclonal antibody, clone 8D1 (Cat # RAB04322) (diluted at 1:90).



Immunoprecipitation

Immunoprecipitation analysis of HEK293 cell lysate with BAK1 recombinant monoclonal antibody, clone 8D1 (Cat # RAB04322).

Lane 1: rabbit control IgG, Lane 2: RAB04322 precipitates and Lane 3: Input (293 whole cell lysate).



Flow Cytometry

Flow cytometric analysis of HeLa cells with BAK1 recombinant monoclonal antibody, clone 8D1 (Cat # RAB04322) (diluted at 1:50; purple line) and negative control (green line).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human BAK1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human BAK1.
Theoretical MW (kDa)	Calculated MW: 24, 1
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:200-1:1000) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -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:HeLa whole cell lysate, Lane 2: MCF-7 whole cell lysate, Lane 3: THP-1 whole cell lysate, Lane 4: 293 whole cell lysate, Lane 5: A549 whole cell lysate, Lane 6: K562 whole cell lysate and Lane 7: Colo320 whole cell lysate with BAK1 recombinant monoclonal antibody, clone 8D1 (Cat # RAB04322).

- Immunohistochemistry

Immunohistochemical staining of human endometrial cancer with BAK1 recombinant monoclonal antibody, clone 8D1 (Cat # RAB04322) (diluted at 1:100).

- Immunohistochemistry

Immunohistochemical staining of human lymph node tissue with BAK1 recombinant monoclonal antibody, clone 8D1 (Cat # RAB04322) (diluted at 1:90).

- Immunoprecipitation

Immunoprecipitation analysis of HEK293 cell lysate with BAK1 recombinant monoclonal antibody, clone 8D1 (Cat # RAB04322).

Lane 1: rabbit control IgG, Lane 2: RAB04322 precipitates and Lane 3: Input (293 whole cell lysate).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of HeLa cells with BAK1 recombinant monoclonal antibody, clone 8D1 (Cat # RAB04322) (diluted at 1:50; purple line) and negative control (green line).

Gene Info — BAK1

Entrez GeneID [578](#)

Protein Accession# [Q16611](#)

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

- [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](#)