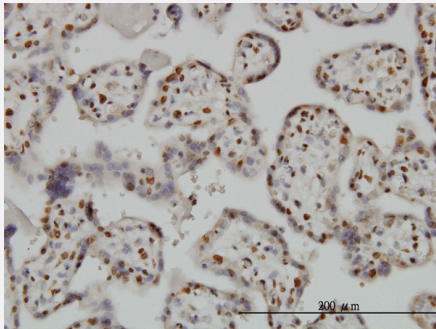


BAX monoclonal antibody (M01), clone 1F5-1B7

Catalog # H00000581-M01

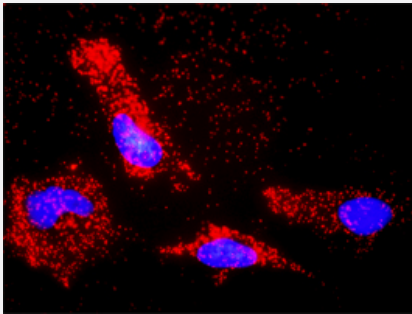
Size 100 ug

Applications



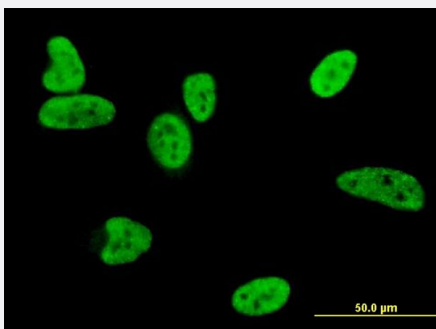
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to BAX on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]



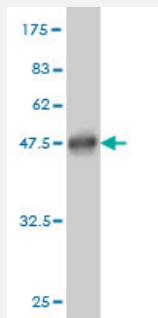
In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between BCL2L1 and BAX. HeLa cells were stained with anti-BCL2L1 rabbit purified polyclonal 1:1200 and anti-BAX mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Immunofluorescence

Immunofluorescence of monoclonal antibody to BAX on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (46.86 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant BAX.
Immunogen	BAX (AAH14175, 1 a.a. ~ 192 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MDGSGEQPRGGGPTSSEQIMKTGALLLQGFIQDRAGRMGGEAPELALDPVPQDASTKKLSECL KRIGDELDSNMELQRMIAAVDTDSPREVFFRVAADMFSNGNFWGRVVALFYFASKLVLKALCT KVPELIRTIMGWTLDFLRERLLGWIQDQGGWDGLLSYFGTPTWQTATIFVAGVLTASLTWKKMG
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (46.86 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to BAX on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- ELISA

- *In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between BCL2L1 and BAX. HeLa cells were stained with anti-BCL2L1 rabbit purified polyclonal 1:1200 and anti-BAX mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

- Immunofluorescence

Immunofluorescence of monoclonal antibody to BAX on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — BAX

Entrez GeneID [581](#)

GeneBank Accession# [BC014175](#)

Protein Accession# [AAH14175](#)

Gene Name BAX

Gene Alias BCL2L4

Gene Description BCL2-associated X protein

Omim ID [600040](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. This protein is reported to interact with, and increase the opening of, the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in membrane potential and the release of cytochrome c. The expression of this gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis. Multiple alternatively spliced transcript variants, which encode different isoforms, have been reported for this gene. [provided by RefSeq]

Other Designations apoptosis regulator BAX

Publication Reference

- [Long-term NaHS administration reduces oxidative stress and apoptosis in a rat model of left-side varicocele.](#)

Lorian K, Kadkhodae M, Kianian F, Abdi A, Ranjbaran M, Ashabi G, Seifi B.

Andrologia 2020 Mar; 52(2):e13496.

Application: WB-Ti, Rat, Rat testes

- [p53 is positively regulated by miR-542-3p.](#)

Wang Y, Huang JW, Castella M, Huntsman DG, Taniguchi T.

Cancer Research 2014 Jun; 74(12):3218.

Application: WB-Tr, Human, HCT116 cells

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)
- [Colorectal cancer](#)
- [Neurotrophin signaling pathway](#)
- [p53 signaling pathway](#)
- [Pathways in cancer](#)
- [Prion diseases](#)

Disease

- [Adenocarcinoma](#)
- [Ataxia Telangiectasia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)

- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Head and Neck Neoplasms](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Occupational Diseases](#)
- [Osteomyelitis](#)
- [Parkinson disease](#)
- [Pemphigus](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)

- [Werner syndrome](#)