



Bax

Rabbit Monoclonal antibody(Mab)
Catalog # AD80053

Specification

Bax - Product info

Application IHC-P
Primary Accession Q07812
Reactivity Human
Host Rabbit
Clonality Monoclonal
Calculated MW 21184

Bax - Additional info

Gene ID 581
Gene Name BAX

Other Names

Apoptosis regulator BAX, Bcl-2-like protein 4, Bcl2-L-4, BAX, BCL2L4

Dilution

IHC-P~~Ready-to-use

Storage

Maintain refrigerated at 2-8°C

Precautions Bax Antibody is for research use only and

not for use in diagnostic or therapeutic

procedures.

Bax - Protein Information

Name BAX

Synonyms BCL2L4

Function Plays a role in the mitochondrial apoptotic process. Under normal conditions, BAX is

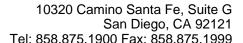
largely cytosolic via constant

levels at the mitochondrial outer

retrotranslocation from mitochondria to the cytosol mediated by BCL2L1/Bcl-xL, which avoids accumulation of toxic BAX

membrane (MOM) (PubMed:21458670). Under stress conditions, undergoes a conformation change that causes translocation to the mitochondrion membrane, leading to the release of

cytochrome c that then triggers apoptosis. Promotes activation of CASP3, and thereby





Cellular Location

Tissue Location

apoptosis.

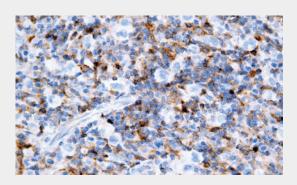
Isoform Alpha: Mitochondrion outer membrane; Single-pass membrane protein. Cytoplasm. Note=Colocalizes with 14-3-3 proteins in the cytoplasm. Under stress conditions, undergoes a conformation change that causes release from JNK-phosphorylated 14-3-3 proteins and translocation to the mitochondrion membrane Isoform Gamma: Cytoplasm. **Expressed in a wide variety of tissues.** Isoform Psi is found in glial tumors. Isoform Alpha is expressed in spleen, breast, ovary, testis, colon and brain, and at low levels in skin and lung. Isoform Sigma is expressed in spleen, breast, ovary, testis, lung, colon, brain and at low levels in skin. Isoform Alpha and isoform Sigma are expressed in pro- myelocytic leukemia, histiocytic lymphoma, Burkitt's lymphoma, T- cell lymphoma, lymphoblastic leukemia, breast adenocarcinoma, ovary adenocarcinoma, prostate carcinoma, prostate adenocarcinoma, lung carcinoma, epidermoid carcinoma, small cell lung carcinoma and colon adenocarcinoma cell lines.

Bax - Protocols

Provided below are standard protocols that you may find useful for product applications.

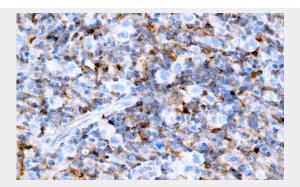
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Bax - Images



Hodgkins lymphoma





Immunohistochemical analysis of paraffin-embedded hodgkin lymphoma tissue using AD80053 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSeeTM Detection Systems Abcepta: AR005 was used as the secondary antibody.