

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.

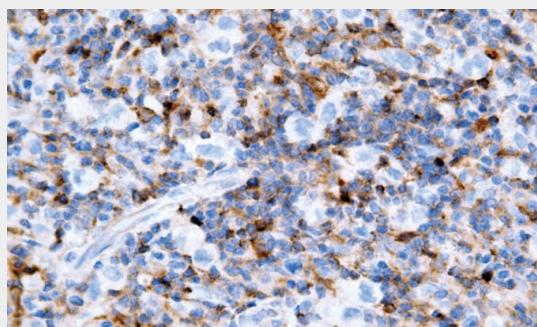
Bax - Protein Information**Name** BAX

Synonyms	BCL2L4
Function	Plays a role in the mitochondrial apoptotic process. Under normal conditions, BAX is largely cytosolic via constant retrotranslocation from mitochondria to the cytosol mediated by BCL2L1/Bcl-xL, which avoids accumulation of toxic BAX levels at the mitochondrial outer membrane (MOM) (PubMed: 21458670). Under stress conditions, undergoes a conformation change that causes translocation to the mitochondrial membrane, leading to the release of cytochrome c that then triggers apoptosis. Promotes activation of CASP3, and thereby

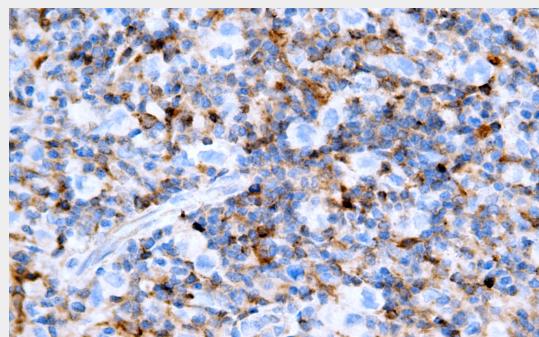
Cellular Location**apoptosis.****Isoform Alpha:** Mitochondrion outer membrane; Single-pass membrane protein. **Cytoplasm.** Note=Colocalizes with 14-3-3 proteins in the cytoplasm. Under stress conditions, undergoes a conformation change that causes release from**JNK-phosphorylated 14-3-3 proteins and 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.**Tissue Location****Bax - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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. AmpSee™ Detection Systems Abcepta:AR005 was used as the secondary antibody.