

Bax
Rabbit Monoclonal antibody(Mab)
Catalog # AD80053

Specification

Bax - Product info

Application	IHC-P, IHC
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
IHC~~Ready-to-use

Storage

This product is stored at 2-25 °C, please use it within the expiration date.

Precautions

Bax Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Bax - Protein Information

Name BAX

Synonyms
Function

BCL2L4
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 mitochondrion 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.

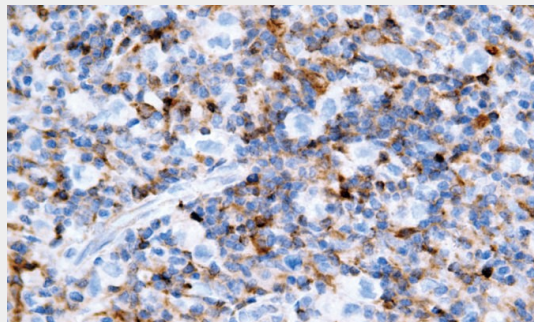
Tissue Location

Bax - Protocols

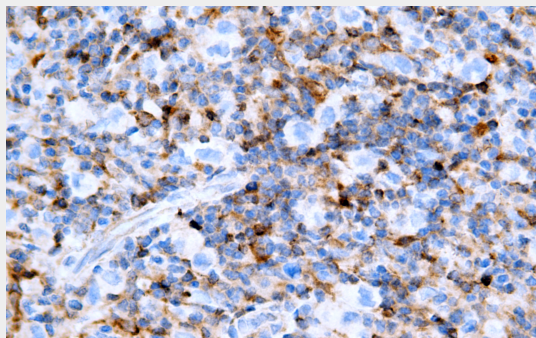
Provided below are standard protocols that you may find useful for product applications.

- [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 (pH 9.0). 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.