

Bcl-B Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10528**Specification**

Bcl-B Antibody - Product Information

Application	WB
Primary Accession	Q9HD36
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	23204

Bcl-B Antibody - Additional Information**Gene ID** 10017**Application & Usage**

Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Jurkat cell lysate can be used as positive controls. The antibody recognizes 21 kDa Bcl-B from samples of human and rat origins. Reactivity to other species has not been tested.

Other Names

Bcl2-L-10, Diva

Target/Specificity

Bcl-B

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) Protein A affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

Bcl-B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Bcl-B Antibody - Protein Information

Name BCL2L10 {ECO:0000303|PubMed:17532299}

Function

Promotes cell survival by suppressing apoptosis induced by BAX but not BAK (PubMed:11689480, PubMed:11278245). Increases binding of AHCYL1/IRBIT to ITPR1 (PubMed:27995898). Reduces ITPR1-mediated calcium release from the endoplasmic reticulum cooperatively with AHCYL1/IRBIT under normal cellular conditions (PubMed:27995898). Under apoptotic stress conditions, dissociates from ITPR1 and is displaced from mitochondria-associated endoplasmic reticulum membranes, leading to increased Ca(2+) transfer to mitochondria which promotes apoptosis (PubMed:27995898). Required for the correct formation of the microtubule organizing center during oocyte cell division, potentially via regulation of protein abundance and localization of other microtubule organizing center components such as AURKA and TPX2 (By similarity).

Cellular Location

Mitochondrion. Nucleus membrane. Endoplasmic reticulum. Cytoplasm, cytoskeleton, spindle {ECO:0000250|UniProtKB:Q9Z0F3}. Note=Localizes to mitochondria-associated endoplasmic reticulum membranes (MAMs) (PubMed:27995898). Localization to MAMs is greatly reduced under apoptotic stress conditions (PubMed:27995898)

Tissue Location

Widely expressed in adult tissues. Preferentially expressed in lung, liver and kidney.

Bcl-B Antibody - 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](#)

Bcl-B Antibody - Images**Bcl-B Antibody - Background**

Bcl-B (also called Bcl2-L-10) is a novel anti-apoptotic member of the Bcl-2 family. Bcl-B is closest in amino acid sequence homology to Boo protein. It contains four Bcl-2 homologs. Bcl-B mRNA is widely expressed in adult human tissues. The Bcl-B protein binds to Bcl-2, Bcl-X(L), and Bax but not Bak. Bcl-B suppresses apoptosis induced by Bax, but not by Bak.