

Bim/Bod Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10099**Specification**

Bim/Bod Antibody - Product Information

Application	WB
Primary Accession	O43521
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	22171

Bim/Bod Antibody - Additional Information**Gene ID** 10018**Application & Usage**

Western blot analysis (0.5-4 µg/ml).
However, the optimal conditions should be determined individually. The antibody detects a 20 kDa Bim/BOD in samples from human, mouse and rat origins. Jurkat cell lysate can be used as a positive control.

Other Names

Bcl-2-like protein 11, BCL2L11

Target/Specificity

Bim/Bod

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-Bim/BOD polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Bim/Bod Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Bim/Bod Antibody - Protein Information

Name BCL2L11

Synonyms BIM

Function

Induces apoptosis and anoikis. Isoform BimL is more potent than isoform BimEL. Isoform Bim-alpha1, isoform Bim-alpha2 and isoform Bim-alpha3 induce apoptosis, although less potent than isoform BimEL, isoform BimL and isoform BimS. Isoform Bim-gamma induces apoptosis. Isoform Bim-alpha3 induces apoptosis possibly through a caspase- mediated pathway. Isoform BimAC and isoform BimABC lack the ability to induce apoptosis.

Cellular Location

Endomembrane system; Peripheral membrane protein. Note=Associated with intracytoplasmic membranes. [Isoform BimL]: Mitochondrion. [Isoform Bim-alpha1]: Mitochondrion.

Tissue Location

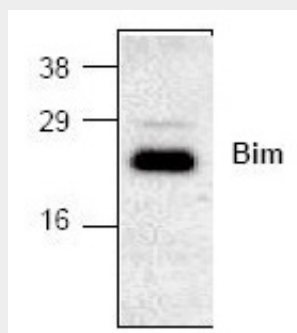
Isoform BimEL, isoform BimL and isoform BimS are the predominant isoforms and are widely expressed with tissue-specific variation. Isoform Bim-gamma is most abundantly expressed in small intestine and colon, and in lower levels in spleen, prostate, testis, heart, liver and kidney.

Bim/Bod 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](#)

Bim/Bod Antibody - Images



Western blot analysis of Bim expression in Jurkat cell lysate.

Bim/Bod Antibody - Background

Members of the Bcl-2 family proteins all contain Bcl-2 homology domains including BH1, BH2, BH3, and BH4. The BH3 domain is known to be important for the cell killing activity of Bcl-2 members including Bad, Bax, Bid, Bik, and the recently identified BH3 domain containing protein designated Bim/BOD. Bim/BOD interacts with diverse members of the Bcl-2 sub-family including Bcl-2, Bcl-x, and Bcl-w, to induce apoptosis. There are three splice variants: BimL, BimS, and BimEL, all of which share homology in their C-terminal BH3 domains. Of the isoforms, BimS is the most potent inducer of apoptosis. The mRNA of Bim is ubiquitously expressed in multiple tissues and cell lines.