10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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.

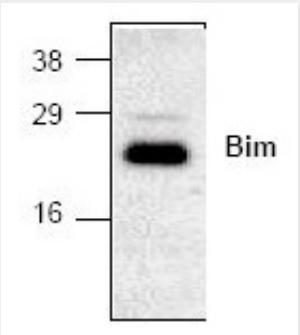
Tissue Location
Isoform BimEL, isoform BimL and isoform BimS are the predominant isoforms and are widely expressed with tissue-specific variation. Isoform Bim-gamma is most abundantly expressed in small intestine and colon, and in lower levels in spleen, prostate, testis, heart, liver and kidney.

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 Cytomety
- Cell Culture

Bim/Bod Antibody - Images



Western blot analysis of Bim expression in Jurkat cell lysate.

Bim/Bod Antibody - Background

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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.