

**Bim Antibody**  
Catalog # ASC10046**Specification**

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**Bim Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">O43521</a>
Other Accession	<a href="#">O43521</a> , <a href="#">18202042</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	23 kDa KDa
Application Notes	Bim antibody can be used for detection of Bim by Western blot at 1 µg/mL. A 23 kDa band can be detected. Antibody can also be used for immunohistochemistry starting at 20 µg/mL.

**Bim Antibody - Additional Information**Gene ID **10018****Other Names**

Bim Antibody: BAM, BIM, BOD, Bcl-2-like protein 11, Bcl2-interacting mediator of cell death, Bcl2-L-11, BCL2-like 11 (apoptosis facilitator)

**Target/Specificity**

BCL2L11;

**Reconstitution & Storage**

Bim antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

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

**Bim 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

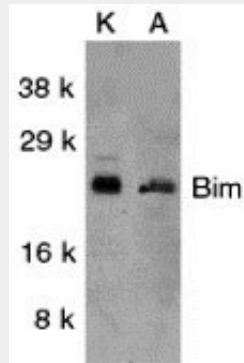
Isoform BimEL, isoform BimL and isoform BimS are the predominant isoforms and are widely expressed with tissue-specific variation. Isoform Bim-gamma is most abundantly expressed in small intestine and colon, and in lower levels in spleen, prostate, testis, heart, liver and kidney.

### Bim Antibody - Protocols

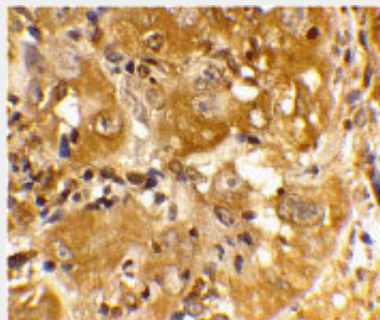
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Bim Antibody - Images



Western blot analysis of Bim in K562 (K) and A549 (A) whole cell lysates with Bim antibody at 1  $\mu\text{g/mL}$ .



Immunohistochemistry of Bim in human skin cancer cells with Bim antibody at 20  $\mu\text{g/mL}$ .

### Bim Antibody - Background

Bim Antibody: Members in the Bcl-2 family are critical regulators of apoptosis by either inhibiting or promoting cell death. Bcl-2 homology 3 (BH3) domain is a potent death domain. BH3 domain containing pro-apoptotic proteins, including Bad, Bax, Bid, Bik, and Hrk, form a growing subclass of the Bcl-2 family. A novel BH3 domain containing protein was recently identified and designated Bim or BOD in human, mouse and rat. Bim/BOD interacts with diverse members in the pro-survival Bcl-2 sub-family including Bcl-2, Bcl-xL and Bcl-w. Bim/BOD induces apoptosis. The messenger RNA of Bim is ubiquitously expressed in multiple tissues and cell lines.

### **Bim Antibody - References**

O'Connor L, Strasser A, O'Reilly LA, et al. Bim: a novel member of the Bcl-2 family that promotes apoptosis. *EMBO J.* 1998; 17:384-395.

Hsu SY, Lin P, and Hsueh AJ BOD (Bcl-2-related ovarian death gene) is an ovarian BH3 domain-containing proapoptotic Bcl-2 protein capable of dimerization with diverse antiapoptotic Bcl-2 members. *Mol. Endocrinol.* 1998; 12:1432-40.