

# Bim EL Antibody

Catalog # ASC11677

## Product Information

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<b>Application</b>	WB, IF, ICC, E
<b>Primary Accession</b>	<a href="#">O43521</a>
<b>Other Accession</b>	<a href="#">NP_619527</a> , <a href="#">20336315</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Calculated MW</b>	22171
<b>Concentration (mg/ml)</b>	1 mg/mL
<b>Conjugate</b>	Unconjugated
<b>Application Notes</b>	Bim EL antibody can be used for detection of Bim EL by Western blot at 1 - 2 $\mu$ g/mL.

## Additional Information

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<b>Gene ID</b>	10018
<b>Other Names</b>	Bcl-2-like protein 11, Bcl2-L-11, Bcl2-interacting mediator of cell death, BCL2L11, BIM
<b>Target/Specificity</b>	BCL2L11; Bim EL antibody is human and mouse reactive. Multiple isoforms of Bim are known to exist; this antibody only detects the Bim EL isoform.
<b>Reconstitution &amp; Storage</b>	Bim EL antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
<b>Precautions</b>	Bim EL Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	BCL2L11
<b>Synonyms</b>	BIM
<b>Function</b>	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.
<b>Cellular Location</b>	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.

## Background

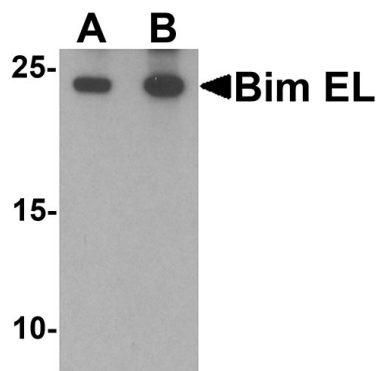
**Bim EL Antibody:** Members in the Bcl-2 family are critical regulators of apoptosis by either inhibiting or promoting cell death. Bcl-2 homology 3 (BH3) domain is a potent death domain. BH3 domain containing pro-apoptotic proteins, including Bad, Bax, Bid, Bik, and Hrk, form a growing subclass of the Bcl-2 family. Bim, also known as Bcl-2-like protein 11, is a pro-apoptotic member of this family and interacts with diverse members in the pro-survival Bcl-2 sub-family including Bcl-2, Bcl-xL and Bcl-w. Multiple isoforms of Bim are known to exist, with Bim EL being the longest isoform (1,2).

## References

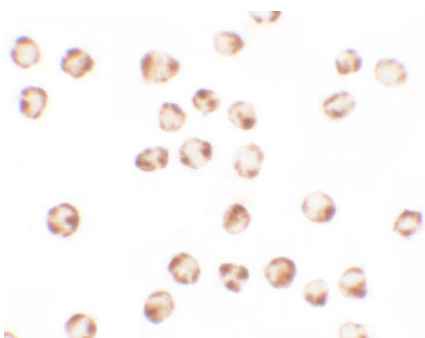
O'Connor L, Strasser A, O'Reilly LA, et al. Bim: a novel member of the Bcl-2 family that promotes apoptosis. EMBO J. 1998; 17:384-395.

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.

## Images

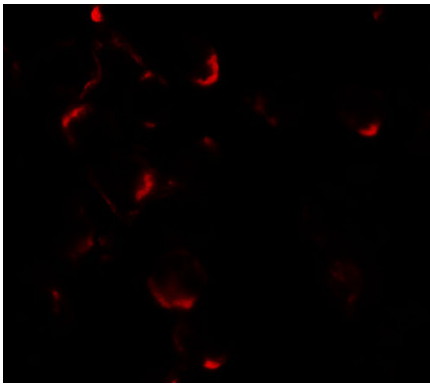


Western blot analysis of Bim in K562 cell lysate with Bim EL antibody at (A) 1 and (B) 2 µg/mL.



Immunocytochemistry of BIM EL in K562 cells with BIM EL antibody at 2.5 µg/ml.

Immunofluorescence of BIM EL in K562 cells with BIM EL antibody at 2.5 µg/ml.



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