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Bim EL Antibody
Catalog # ASC11677

Specification

Bim EL Antibody - Product Information

Application	**WB, ICC, IF**
Primary Accession	O43521
Other Accession	NP_619527, 20336315
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**Predicted: 22 kDa** **Observed: 24 kDa KDa**
Application Notes	**Bim EL antibody can be used for detection of Bim EL by Western blot at 1 - 2 µg/mL.**

Bim EL Antibody - Additional Information

Gene ID	**10018**

Target/Specificity
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.

Reconstitution & Storage
Bim EL antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.

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

Bim EL 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.

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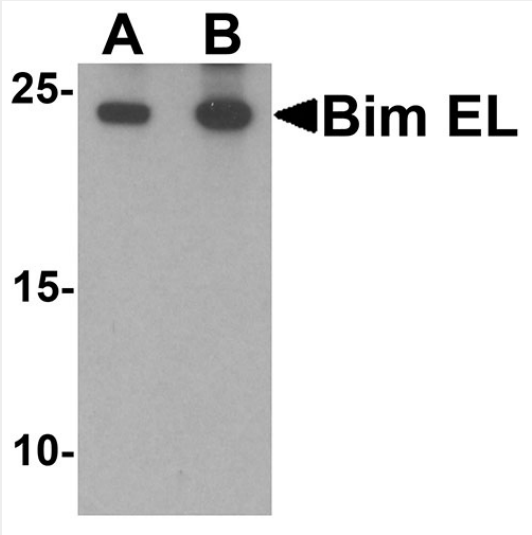
Tissue Location
Isoform BimEL, isoform BimL and isoform BimS are the predominant isoforms and are widely expressed with tissue-specific variation. Isoform Bim-gamma is most abundantly expressed in small intestine and colon, and in lower levels in spleen, prostate, testis, heart, liver and kidney.

Bim EL Antibody - Protocols

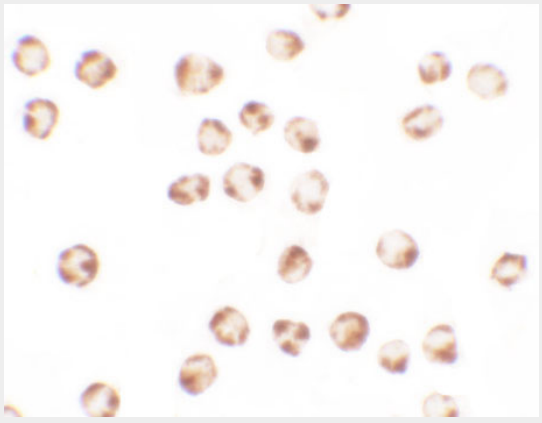
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Bim EL Antibody - 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 inK562 cells with BIM EL antibody at 2.5 µg/ml.

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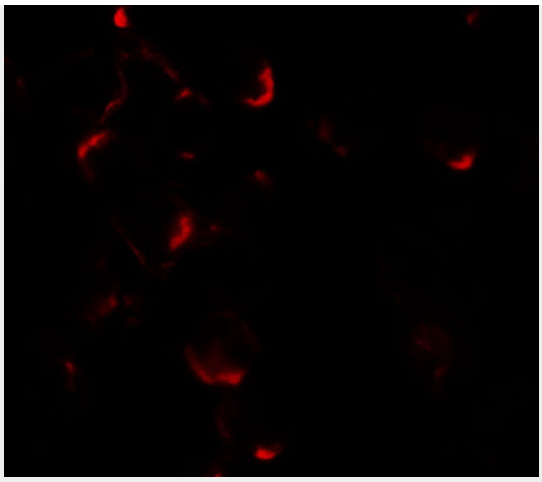

Immunofluorescence of BIM EL in K562 cells with BIM EL antibody at 2.5 µg/ml.

Bim EL Antibody - 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).

Bim EL 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.