

Rabbit anti-Mouse Bim/Bcl2l11 Polyclonal Antibody | anti-Bim/Bcl2l11 antibody

Anti-Bim/Bcl2l11 Antibody Picoband

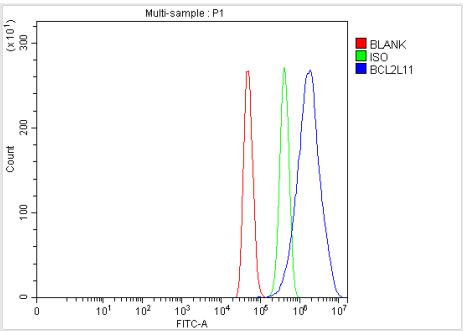
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127065	Rabbit	Mouse	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

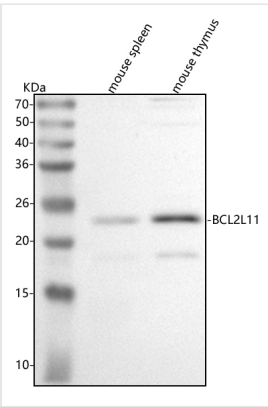
Bim/Bcl2l11; Polyclonal Antibody; Anti-Bim/Bcl2l11 Antibody Picoband; Serine/threonine-protein kinase AtPK1/AtPK6; 70 kDa ribosomal protein S6 kinase 1 antibody; KS6B1_HUMAN antibody; p70 alpha antibody; P70 beta 1 antibody; p70 ribosomal S6 kinase alpha antibody; p70 ribosomal S6 kinase beta 1 antibody; p70 S6 kinase alpha antibody; P70 S6 Kinase antibody; p70 S6 kinase alpha 1 antibody; p70 S6 kinase alpha 2 antibody; p70 S6K antibody; p70 S6K-alpha antibody; p70 S6KA antibody; p70(S6K) alpha antibody; p70(S6K)-alpha antibody; p70-alpha antibody; p70-S6K 1 antibody; p70-S6K antibody; P70S6K antibody; P70S6K1 antibody; p70S6Kb antibody; PS6K antibody; Ribosomal protein S6 kinase 70kDa polypeptide 1 antibody; Ribosomal protein S6 kinase beta 1 antibody; Ribosomal protein S6 kinase beta-1 antibody; Ribosomal protein S6 kinase I antibody; RPS6KB1 antibody; S6K antibody; S6K-beta-1 antibody; S6K1 antibody; Serine/threonine kinase 14 alpha antibody; Serine/threonine-protein kinase 14A antibody; STK14A antibody; anti-Bim/Bcl2l11 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Expressed in all tissues.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-Bim/Bcl2l11 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived mouse Bim/Bcl2l11 recombinant protein (Position: Q18-R186). Mouse Bcl2l11 shares 86.7% and 98.8% amino acid (aa) sequence identity with human and rat Bcl2l11, respectively.
Subcellular Localization	Cytoplasm, Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross reactivity with other proteins.
Protein Function	Downstream effector of TOR signaling pathway involved in osmotic stress response. Could be involved in the control of plant growth and development. Phosphorylates the ribosomal proteins P14, P16 and S6. Functions as a repressor of cell proliferation and required for maintenance of chromosome stability and ploidy levels through the RBR1-E2F pathway.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of C2C12 cells using anti-Bim/Bcl2l11 antibody (AAA127065). Overlay histogram showing C2C12 cells stained with AAA127065 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Bim/Bcl2l11 Antibody (AAA127065, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of Bim/Bcl2l11 using anti-Bim/Bcl2l11 antibody (AAA127065). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: mouse spleen tissue lysates, Lane 2: mouse thymus tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Bim/Bcl2l11 antigen affinity purified polyclonal antibody (#AAA127065) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Bim/Bcl2l11 at approximately 22 kDa. The expected band size for Bim/Bcl2l11 is at 22 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Bim/Bcl2l11 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-Bim/Bcl2l11 antibody	Primary Antibodies; Signal Transduction; Signaling Pathway; Small G Proteins
References	1. Bouillet, P., Metcalf, D., Huang, D. C. S., Tarlinton, D. M., Kay, T. W. H., Kontgen, F., Adams, J. M., Strasser, A. Proapoptotic Bcl-2 relative Bim required for certain apoptotic responses, leukocyte homeostasis, and to preclude autoimmunity. Science 286: 1735-1738, 1999. 2. Bouillet, P., Purton, J. F., Godfrey, D. I., Zhang, L.-C., Coultas, L., Puthalakath, H., Pellegrini, M., Cory, S., Adams, J. M., Strasser, A. BH3-only Bcl-2 family member Bim is required for apoptosis of autoreactive thymocytes. Nature 415: 922-926, 2002. Note: Erratum: Nature 618: 108 only, 2002. 3. Bouillet, P., Zhang, L. C., Huang, D. C. S., Webb, G. C., Bottema, C. D. K., Shore, P., Eyre, H. J., Sutherland, G. R., Adams, J. M. Gene structure, alternative splicing, and chromosomal localization of pro-apoptotic Bcl-2 relative Bim. Mammalian Genome 12: 163-168, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753192
NCBI GeneID	12125
NCBI Accession #	NP_033884.1
NCBI GenBank Nucleotide #	NM_009754.3
UniProt Accession #	O54918; O54919; O54920; A2ALQ6
Molecular Weight	12,954 Da
NCBI Official Full Name	bcl-2-like protein 11 isoform 3
NCBI Official Synonym Full Names	BCL2-like 11 (apoptosis facilitator)

NCBI Official Symbol	Bcl2l11
NCBI Official Synonym Symbols	Bim; Bod; bcl2-L-11; 1500006F24Rik
NCBI Protein Information	bcl-2-like protein 11; Bcl2 interacting mediator of cell death; bcl2-interacting mediator of cell death
UniProt Protein Name	Bcl-2-like protein 11
UniProt Gene Name	Bcl2l11
UniProt Synonym Gene Names	Bim; Bcl2-L-11
UniProt Entry Name	B2L11_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/bim-bcl2l11-antibody-flow-cytometry-western-blot-elisa/127065>