

Anti-Bim BCL2L11 Antibody

Catalog Number: A01552

About BCL2L11

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.

Overview

Product Name	Anti-Bim BCL2L11 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Bim BCL2L11 Antibody (Catalog # A01552). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	Bim Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Bim antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O43521

Technical Details

Immunogen	Anti-BIM antibody was raised against a peptide corresponding to amino acids near the center of human BIM. The immunogen is located within amino acids 80-130 of BIM.
Predicted Reactive Species	Rat
Cross Reactivity	At least three isoforms of TLR8 are known to exist. TLR8 antibody is predicted to not cross-react with other TLR protein family members
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Bim Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

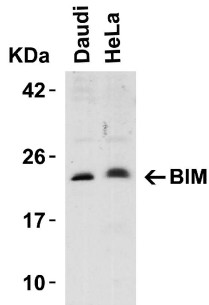
Boster Bio's internal QC testing used:

WB: 5 ug/mL; ICC: 10 ug/mL; IF: 20 ug/mL.

Antibody validated: Western Blot in human and mouse samples; Immunocytochemistry in human samples; Immunofluorescence in human samples. All other applications and species not yet tested.

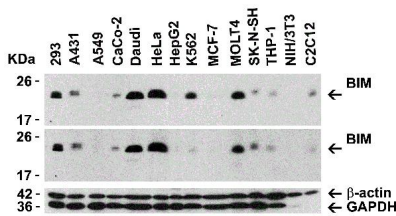
Optimal dilutions for each application should be determined by the researcher.

Anti-Bim BCL2L11 Antibody (A01552) Images



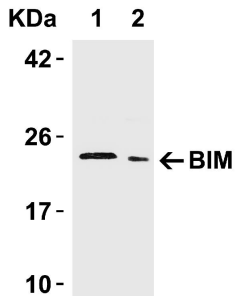
Western Blot Validation in Human Cell Lines

Loading: 15 ug of lysates per lane. Antibodies: BIM A01552, (5 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



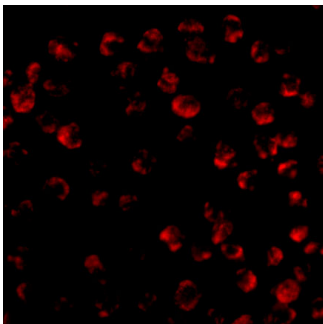
Independent Antibody Validation (IAV) via Protein Expression Profile in Cell Lines

Loading: 15 ug of lysates per lane. Antibodies: BIM, (0.5 ug/mL), BIM A01552, (5 ug/mL), beta-actin (1 ug/mL) and GAPDH (0.02 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



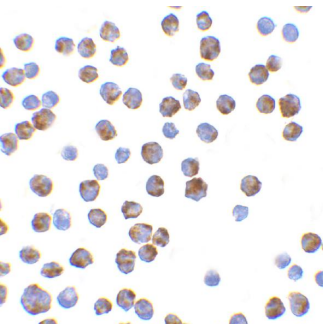
Western Blot Validation in Human Tissue

Loading: 15 ug of lysates per lane. Antibodies: BIM A01552, (5 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Lane 1: Human urinary bladder Lane 2: Human pancreas



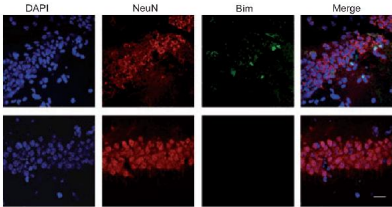
Immunofluorescence Validation of Bim in K562 Cells

Immunofluorescent analysis of 4% paraformaldehyde-fixed K562 cells labeling Bim with A01552 at 20 ug/mL

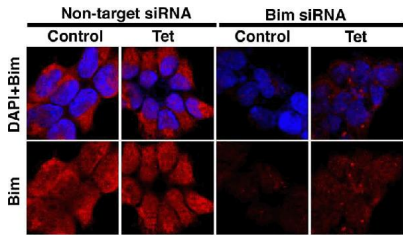


Immunocytochemistry Validation of Bim K562 Cells

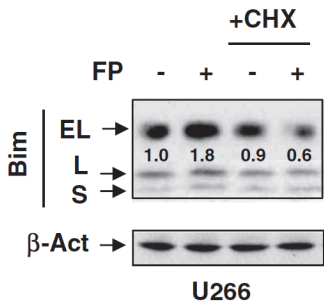
Immunohistochemical analysis of K562 cells using anti-Bim antibody (A01552) at 10 ug/mL. Cells were fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



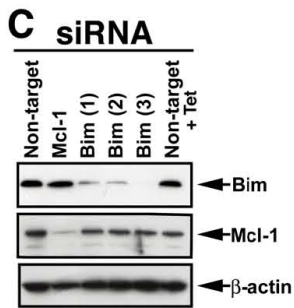
Induced Expression Validation of BIM in Mouse Hippocampus (Tsuchiya et al.



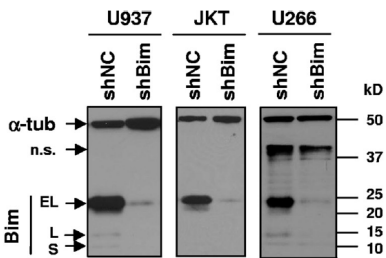
KD Validation of BIM in 293 Cells (Han et al.



Regulated Expression Validation of BIM in U266 Cells (Chen et al.

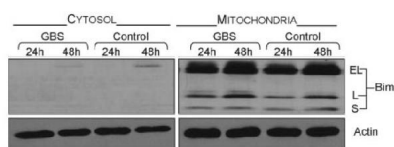


WB KD Validation of BIM in 293 Cells (Han et al.



KD Validation of BIM in Human Cell Lines (Chen et al.

Localization Validation of BIM in Mouse Macrophages (Ulett et al.



Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Bim BCL2L11 Antibody