Product Datasheet

Bim Antibody - BSA Free
NBP1-76963

Unit Size: 0.1 mg

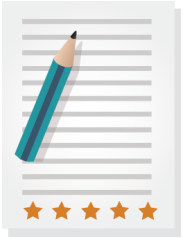
Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 8

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-76963

Updated 12/20/2023 v.20.1



NBP1-76963

Bim Antibody - BSA Free

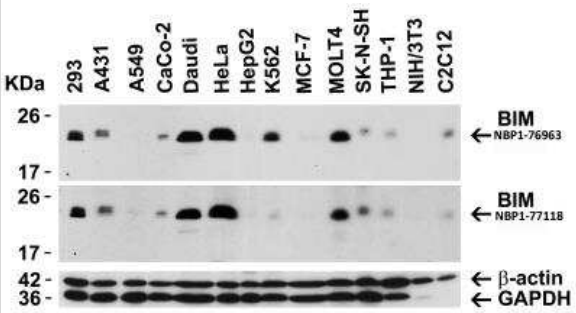
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	22 kDa

Product Description	
Host	Rabbit
Gene ID	10018
Gene Symbol	BCL2L11
Species	Human, Mouse, Rat
Reactivity Notes	The antigen sequence is identical to that of mouse and differs from that of rat by one amino acid.
Specificity/Sensitivity	Human BIM has 3 isoforms, including isoform EL (198aa, 22kD), isoform L (138aa, 16kD) and isoform S (108aa, 13kD). Mouse BIM has 3 isoforms, including isoform EL (196aa, 22kD), isoform L (140aa, 16kD) and isoform S (110aa, 13kD). Rat BIM has 4 isoforms, including isoform BOD-L (196aa, 22kD), isoform L (140aa, 16kD) and isoform BOD-M (110aa, 13kD). NBP1-76963 can detect all three isoforms.
Immunogen	Antibody was raised against a 20 amino acid peptide corresponding to amino acids near the amino terminus of human Bim. The immunogen is located within the first 50 amino acids of Bim. Amino Acid Squence: AERPPQLRPGAPTSLQTEPQ

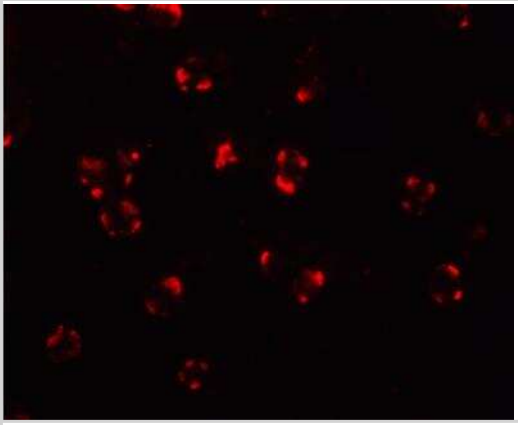
Product Application Details	
Applications	Western Blot, Simple Western, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.5 ug/mL, Simple Western, ELISA 1:100-1:2000, Immunohistochemistry 20 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 20 ug/ml
Application Notes	Simple Western reported by an internal validation. Separated by Size-All, antibody dilution of 1:50; matrix was 12-230 kDa.

Images

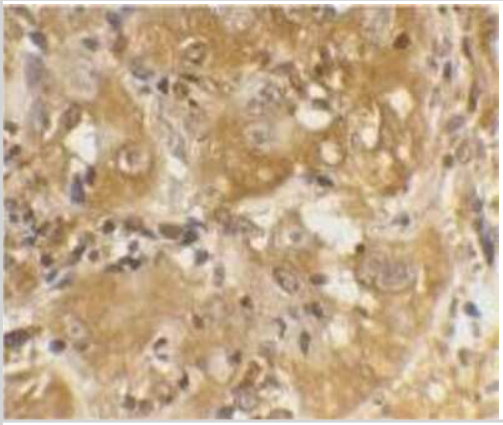
Western Blot: Bim Antibody [NBP1-76963] - Independent Antibody Validation (IAV) via Protein Expression Profile in Cell Lines Loading: 15 ug of lysates per lane. Antibodies: BIM NBP1-76963, (0.5 ug/mL), BIM NBP1-77118, (5 ug/mL), beta-actin (1 ug/mL) and GAPDH (0.02 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



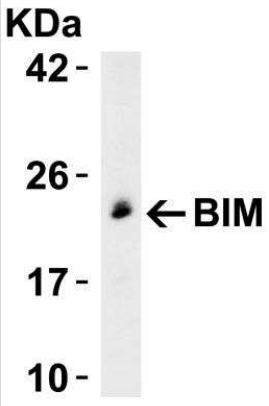
Immunocytochemistry/Immunofluorescence: Bim Antibody [NBP1-76963] - K562 cells with at 20 ug/mL.

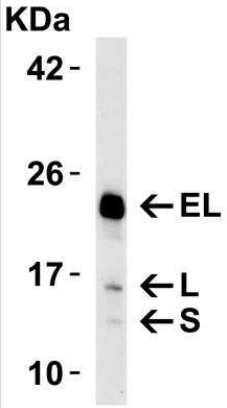
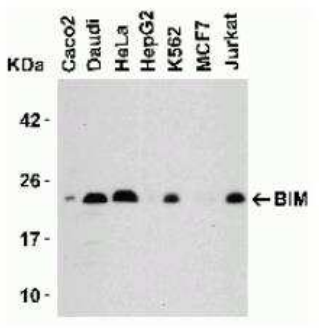
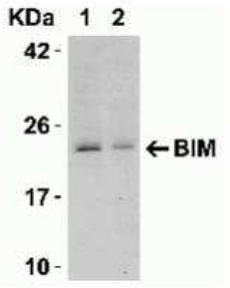


Immunohistochemistry-Paraffin: Bim Antibody [NBP1-76963] - Human skin cancer cells with Bim antibody at 20 ug/ml.



Western Blot: Bim Antibody [NBP1-76963] - Western Blot Validation in Rat Myeloma Cell line: Loading: 15 ug of rat myeloma YB2/0 cell lysate per lane. Antibodies: BIM NBP1-76963, (0.5 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate.



Western Blot: Bim Antibody [NBP1-76963] - Western Blot Validation in HeLa Cells. Loading: 15 ug of lysate per lane. Antibodies: Bim NBP1-76963, (0.5 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate. Bim antibody can detect all three human isoforms, including EL, L and S isoforms.	
Western Blot: Bim Antibody [NBP1-76963] - Western Blot Validation in Human Cell Lines Loading: 15 ug of lysates per lane. Antibodies: BIM NBP1-76963, (0.5 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.	
Western Blot: Bim Antibody [NBP1-76963] - Western Blot Validation in Human Tissue Loading: 15 ug of lysates per lane. Antibodies: BIM NBP1-76963, (0.5 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Lane 1: Human thymus Lane 2: Human colon	

Publications

Imbaby S, Elkholy SE, Faisal S et al. The GSTP1/MAPKs/BIM/SMAC modulatory actions of nitazoxanide: Bioinformatics and experimental evidence in subcutaneous solid Ehrlich carcinoma-inoculated mice Life sciences 2023-02-22 [PMID: 36822315] (WB, Mouse)

Luan Q, Jin L, Jiang CC et al. RIPK1 regulates survival of human melanoma cells upon endoplasmic reticulum stress through autophagy Autophagy. 2015-05-27 [PMID: 26018731] (WB, Human)

Wang Y, Lv J, Cheng Y et al. Apoptosis induced by Ginkgo biloba (EGb761) in melanoma cells is Mcl-1-dependent PLoS One 2015-04-11 [PMID: 25860257] (WB, Human)

Details:
Citation using the Non-Recombinant Monoclonal format of this antibody.

Wroblewski D, Jiang CC, Croft A et al. OBATOCLAX and ABT-737 induce ER stress responses in human melanoma cells that limit induction of apoptosis PLoS One 2013-12-25 [PMID: 24367627] (WB, Human)

Details:
Citation using the Non-Recombinant Monoclonal format of this antibody.

Castro JE, Prada CE, Aguillon RA et al. Thymidine-phosphorothioate oligonucleotides induce activation and apoptosis of CLL cells independently of CpG motifs or BCL-2 gene interference. Leukemia. 2006-04-01 [PMID: 16498393]

Zhang XD, Gillespie SK, Borrow JM, Hersey P. The histone deacetylase inhibitor suberic bishydroxamate regulates the expression of multiple apoptotic mediators and induces mitochondria-dependent apoptosis of melanoma cells. Mol Cancer Ther. 2004-04-01 [PMID: 15078986]

Zhang LJ, Hao YZ, Hu CS et al. Inhibition of apoptosis facilitates necrosis induced by cisplatin in gastric cancer cells Anticancer Drugs 2008-01-08 [PMID: 18176112]

Details:
Citation using the Non-Recombinant Monoclonal and Biotin format of this antibody.

Ramos SJ, Hernandez JB, Gatzka M, Walsh CM. Enhanced T cell apoptosis within Drak2-deficient mice promotes resistance to autoimmunity. J Immunol. 2008-12-01 [PMID: 19017949] (WB, Mouse)

Details:
WB (mouse splenic T cells), Fig. 3G.

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-76963

NBP1-76963PEP	Bim Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-76963

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications