

Product Datasheet

Noxa Antibody (114C307.1R) - BSA Free NBP3-07012

Unit Size: 0.1 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

www.novusbio.com



technical@novusbio.com

Publications: 73

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP3-07012

Updated 9/9/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP3-07012



NBP3-07012

Noxa Antibody (114C307.1R) - BSA Free

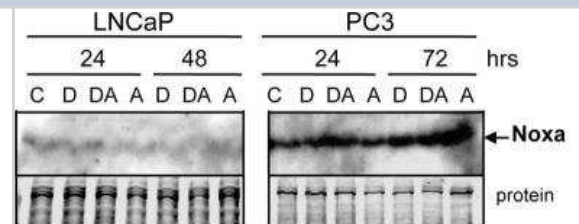
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	114C307.1R
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Knockout (KO) Validated Mouse Noxa Antibody (114C307.1R) - BSA Free (NBP3-07012) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-Noxa Antibody: Cited in 73 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	5366
Gene Symbol	PMAIP1
Species	Human, Mouse, Rat
Reactivity Notes	Reactivity in rat is reported in scientific literature (Seda et al Hepatol Res. 2010, 40: 701-710).
Immunogen	This Noxa antibody was developed by immunizing mice with a fusion protein containing human Noxa.

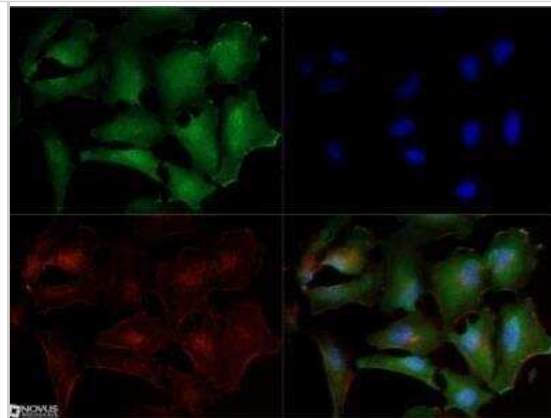
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockout Validated
Recommended Dilutions	Western Blot 1 - 2 ug/ml, Flow Cytometry, Immunohistochemistry 1:200, Immunocytochemistry/ Immunofluorescence 1-5 ug/ml, Flow (Intracellular), Knockout Validated reported in scientific literature (PMID: 32094511)

Images

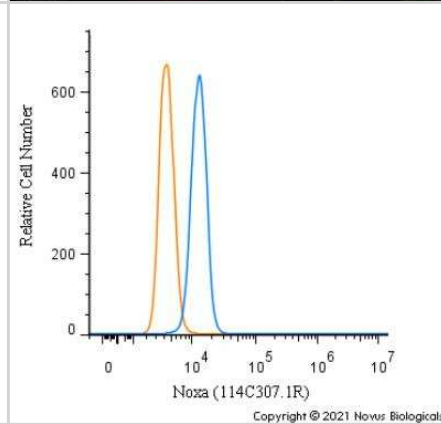
Western Blot: Noxa Antibody (114C307.1R) [NBP3-07012] - Doc counteracts the ABT-737-mediated increase in Mcl-1 protein. Western blot showing treatment of LNCaP and PC3 cells with 1 uM ABT-737. In LNCaP and PC3, there are few difference in Noxa. Image collected and cropped by CiteAb from the following publication ([//peerj.com/articles/144](https://peerj.com/articles/144)), licensed under a CC-BY license.



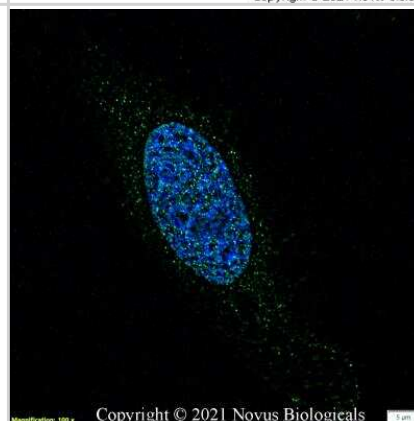
Immunocytochemistry/Immunofluorescence: Noxa Antibody (114C307.1R) [NBP3-07012] - ICC/IF analysis using the azide-free version of NB600-1159 at 1:10. HeLa cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red). Image objective 40X.



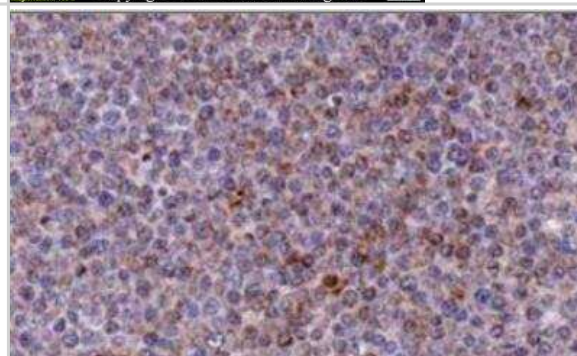
Flow Cytometry: Noxa Antibody (114C307.1R) [NBP3-07012] - An intracellular stain was performed on Ntera2 cells with Noxa Antibody [114C307.1R] NBP3-07012 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1.0 ug/mL for 30 minutes at room temperature, followed by Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Dylight 550 (35503, Thermo Fisher).



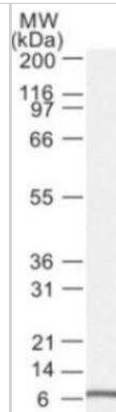
Immunocytochemistry/Immunofluorescence: Noxa Antibody (114C307.1R) [NBP3-07012] - HeLa cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-Noxa Antibody (114C307.1R) NBP3-07012 at 2 ug/ml overnight at 4C and detected with an anti-mouse DyLight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



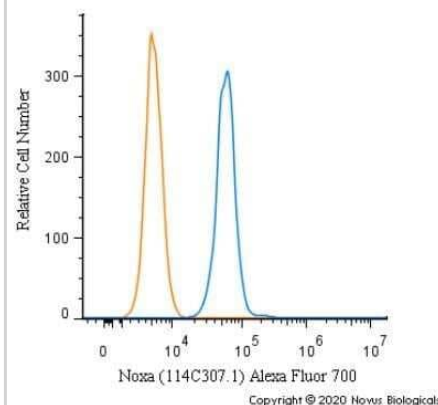
Immunohistochemistry-Paraffin: Noxa Antibody (114C307.1R) - BSA Free [NBP3-07012] - Immunohistochemical analysis of bouin-fixed, paraffin-embedded chronic lymphocytic leukemia (CLL) xenograft stained with Noxa antibody (1:2000), peroxidase-conjugate and DAB chromogen. Staining for 2 hr at RT was used.



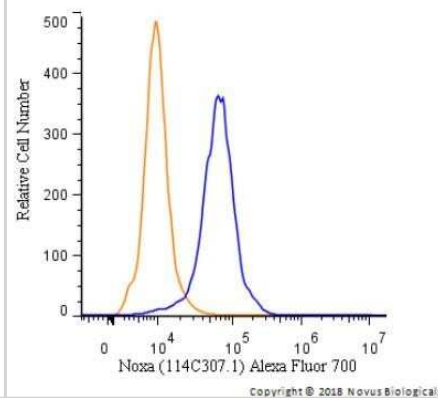
Western Blot: Noxa Antibody (114C307.1R) - BSA Free [NBP3-07012] - Detection by Western blot in RL-7 cells (a follicular lymphoma).



Flow Cytometry: Noxa Antibody (114C307.1R) - BSA Free [NBP3-07012] - Flow cytometry after an intracellular stain was performed on MCF7 cells with Noxa [114C307.1] antibody NB600-1159AF700 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Alexa Fluor 700.



Flow Cytometry: Noxa Antibody (114C307.1R) - BSA Free [NBP3-07012] - Flow cytometry after an intracellular stain was performed on HeLa cells with Noxa [114C307.1] antibody NB600-1159AF700 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Alexa Fluor 700.



Publications

Al Shboul S, El-Sadoni M, Alhesa A et al. NOXA expression is downregulated in human breast cancer undergoing incomplete pathological response and senescence after neoadjuvant chemotherapy Sci Rep 2023-09-23 [PMID: 37741850] (Immunohistochemistry)

Asuzu DT, Alvarez R, Fletcher PA Et al. Pituitary adenomas evade apoptosis via noxa deregulation in Cushing's disease Cell Rep 2022-08-24 [PMID: 36001971] (IHC-P, Human)

Details:

Citation using the Alexa Fluor 532 version of this antibody.

Saleh T, El-Sadoni M, Alhesa A Et al. Expression of Senescence and Apoptosis Biomarkers in Synchronous Bilateral Breast Cancer: A Case Report Current oncology (Toronto, Ont.) 2021-09-30 [PMID: 34677245] (IF/IHC, Human)

Zheng J, Zhuo L, Ran D et al. Cadmium induces apoptosis via generating reactive oxygen species to activate mitochondrial p53 pathway in primary rat osteoblasts Toxicology 2020-10-08 [PMID: 33031904] (WB, Rat)

Details:

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

Tseng HY, Dreyer J, Emran AA et al. Co-targeting bromodomain and extra-terminal proteins and MCL1 induces synergistic cell death in melanoma *Int J Cancer* 2020-04-07 [PMID: 32249419]

Details:

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

Djajawi TM, Liu L, Gong JN et al. MARCH5 requires MTCH2 to coordinate proteasomal turnover of the MCL1:NOXA complex *Cell Death Differ* 2020-02-26 [PMID: 32094511] (Western Blot, Knockout Validated, Human, Mouse)

Pilling AB, Hwang C. Targeting prosurvival BCL2 signaling through Akt blockade sensitizes castration-resistant prostate cancer cells to enzalutamide *Prostate* 2019-06-23 [PMID: 31228231] (WB, Human)

Details:

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

Gonzalez PS, O'Prey J, Cardaci S et al. Mannose impairs tumour growth and enhances chemotherapy *Nature* 2018-11-23 [PMID: 30464341] (Mouse)

Details:

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

Minieri V, De Dominicis M, Porazzi P et al. Targeting STAT5 or STAT5-Regulated Pathways Suppresses Leukemogenesis of Ph+ Acute Lymphoblastic Leukemia *Cancer Res* 2018-08-30 [PMID: 30154155] (WB, Human)

Details:

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

Gallagher SJ, Gunatilake D, Beaumont KA et al. HDAC inhibitors restore BRAF-inhibitor sensitivity by altering PI3K and survival signalling in a subset of melanoma *Int J Cancer* 2017-12-07 [PMID: 29210065] (WB, Human)

Details:

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

Antignani A, Segal D, Simon N et al. Essential role for Bim in mediating the apoptotic and antitumor activities of immunotoxins *Oncogene* 2017-04-25 [PMID: 28436946] (WB, Mouse)

Details:

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

Zhang J, Huang K, O'Neill KL et al. Bax/Bak activation in the absence of Bid, Bim, Puma, and p53 *Cell Death Dis* 2016-06-17 [PMID: 27310874] (WB, Human)

Details:

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

More publications at <http://www.novusbio.com/NBP3-07012>





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 NBP3-07012

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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/NBP3-07012

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

