

Product Datasheet

Noxa Antibody - BSA Free NB100-56368

Unit Size: 0.1 mg

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

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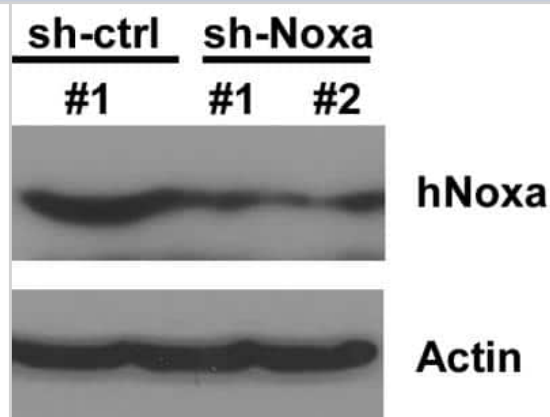
NB100-56368

Noxa Antibody - BSA Free

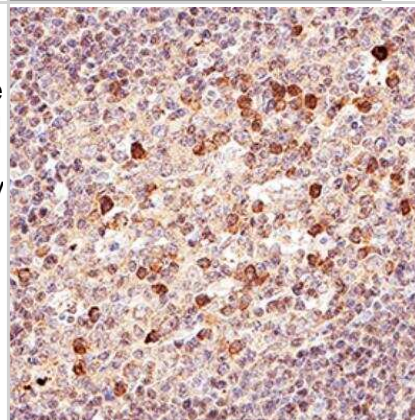
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	11.6 kDa
Product Description	
Host	Rabbit
Gene ID	5366
Gene Symbol	PMAIP1
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: amino acids 51-66: Rat (77%); amino acids 75-90: Rat (93%), Human (76%).
Immunogen	This Noxa antibody was developed by immunizing rabbits with a mixture of synthetic peptides containing amino acids 51-66 and 75-90 of mouse Noxa.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 - 2 ug/mL, Immunohistochemistry 1:50 - 1:250, Immunocytochemistry/ Immunofluorescence 1:200, Immunohistochemistry-Paraffin 1:50 - 1:250. Use reported in scientific literature (Inta et al. (2006))

Images

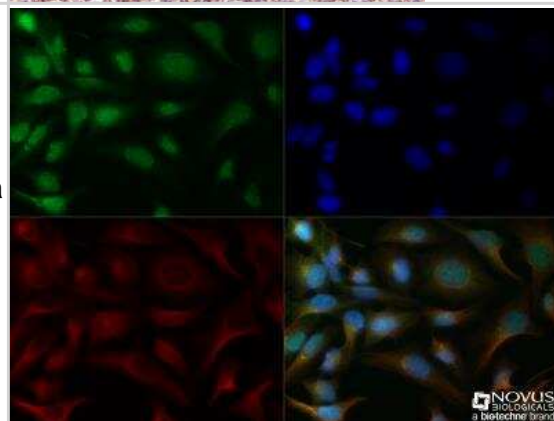
Western Blot: Noxa Antibody [NB100-56368] - Noxa expression was stably reduced in HCT116 cells by shRNA. Western blot image submitted by a verified customer review.



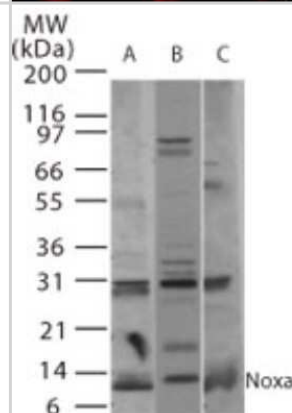
Immunohistochemistry-Paraffin: Noxa Antibody [NB100-56368] - IHC analysis of formalin fixed paraffin-embedded (FFPE) human tonsil using Noxa antibody at 1:50 on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10 mM sodium citrate buffer (pH 6.0) and endogenous peroxidase quenching with peroxide block. The sections were incubated with primary antibody for 30 minutes and Bond Polymer Refine Detection (Leica Biosystems) with DAB was used for signal development followed by counterstaining with hematoxylin. Whole slide scanning and capturing of representative images was performed using Aperio AT2 (Leica Biosystems). Staining was performed by Histowiz.



Immunocytochemistry/Immunofluorescence: Noxa Antibody [NB100-56368] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-Noxa (NB100-56368) antibody at a 1:200 dilution overnight at 4C and detected with an anti-rabbit DyLight 488 (Green) at a 1:500 dilution. Alpha tubulin was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse DyLight 550 (Red) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Western Blot: Noxa Antibody [NB100-56368] - Western blot analysis of Noxa in A) human, B) mouse, and C) rat thymus tissue using Noxa antibody NB100-56368 at 2 ug/mL.



Publications

JY Baik, Z Liu, D Jiao, HJ Kwon, J Yan, C Kadigamuwa, M Choe, R Lake, M Kruhlak, M Tandon, Z Cai, S Choksi, ZG Liu ZBP1 not RIPK1 mediates tumor necroptosis in breast cancer *Nature Communications*, 2021-05-11;12(1):2666. 2021-05-11 [PMID: 33976222]

Eno CO, Zhao G, Venkatanarayan A et al. Noxa couples lysosomal membrane permeabilization and apoptosis during oxidative stress. *Free Radic Biol Med* 2013-12-01 [PMID: 23770082] (WB, Human)

McNeill-Blue C, Wetmore BA, Sanchez JF et al. Apoptosis mediated by p53 in rat neural AF5 cells following treatment with hydrogen peroxide and staurosporine. *Brain Res.* 2006-09-27 [PMID: 16901471] (WB)

Fei Q, McCormack AL, Di Monte DA, Ethell DW. Paraquat neurotoxicity is mediated by a Bak-dependent mechanism. *J Biol Chem.* 2008-02-08 [PMID: 18056701] (WB, Mouse)

Details:

WB (mouse brain tissue) Figs. 3, 4H; Table 1.

Martin LJ, Liu Z, Pipino J et al. Molecular regulation of DNA damage-induced apoptosis in neurons of cerebral cortex. *Cereb Cortex.* 2009-06-01 [PMID: 18820287] (WB, Mouse)

Details:

WB (mouse cortical neuron cultures), Figs. 3A, 6A.

Inta I, Paxian S, Maegele I et al. Bim and Noxa are candidates to mediate the deleterious effect of the NF-kappa B subunit RelA in cerebral ischemia. *J Neurosci.* 2006-12-13 [PMID: 17167080] (IHC-P)

Details:

1. Noxa (IMG-451) [IHC (paraffin), Fig.2 (mice brain)].



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Products Related to NB100-56368

NBL1-14534	Noxa Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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