

Product Datasheet

Bax Antibody - BSA Free NB100-56095SS

Unit Size: 0.025 ml

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

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NB100-56095SS

Bax Antibody - BSA Free

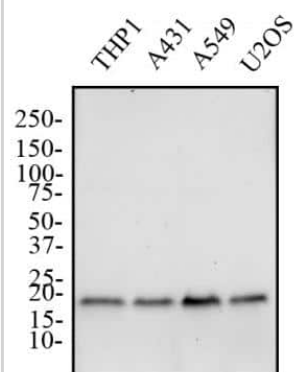
Product Information	
Unit Size	0.025 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera

Product Description	
Description	Novus Biologicals Rabbit Bax Antibody - BSA Free (NB100-56095) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-Bax Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	581
Gene Symbol	BAX
Species	Human
Immunogen	A synthetic peptide corresponding to amino acids 43-61 (PELALDPVPQDASTKKLSE) of human Bax alpha was used as immunogen, GenBank no. NP_620116.1. The immunogen sequence is 100% conserved in human Bax isoforms alpha (192 amino acids), beta (218 amino acids), epsilon (164 amino acids), sigma (179 amino acids), and psi (173 amino acids).

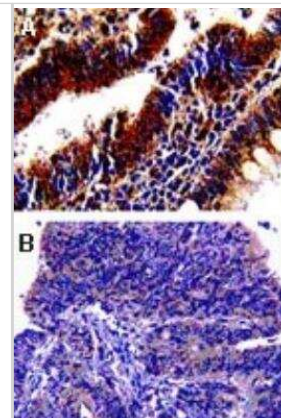
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry, Immunoprecipitation, Immunohistochemistry-Paraffin 1:1000-1:5000
Application Notes	Users should optimize according to model and immunodetection system used (secondary reagents)

Images

Western Blot: Bax Antibody [NB100-56095] - Total protein from human THP1, A431, A549 and U2OS cells was separated on a 4-15% gel by SDS-PAGE, transferred to 0.2 um PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with a 1:2000 dilution of anti-BAX in 1% non-fat milk in TBST and detected with an anti-rabbit HRP secondary antibody using chemiluminescence



Immunohistochemistry-Paraffin: Bax Antibody [NB100-56095] - Formalin-fixed, paraffin-embedded sections of human colon cancer from a tissue microarray stained for BAX using NB100-56095 at 1:2000. A. High Bax expression. B. Low Bax expression. Hematoxylin-eosin counterstain

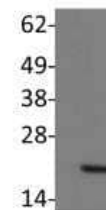


Western Blot: Bax Antibody [NB100-56095] - Analysis of BAX in colon tumor cell lines using this antibody. Bax is detected in the SW620 and DLD-1 cell lines. However, Bax was not detected in the cell lines (LoVo, DU145, and LS180) known to have frameshift mutations in Bax (Rampino et al. 1997). An antibody to F1ATPase was used as a protein loading control.

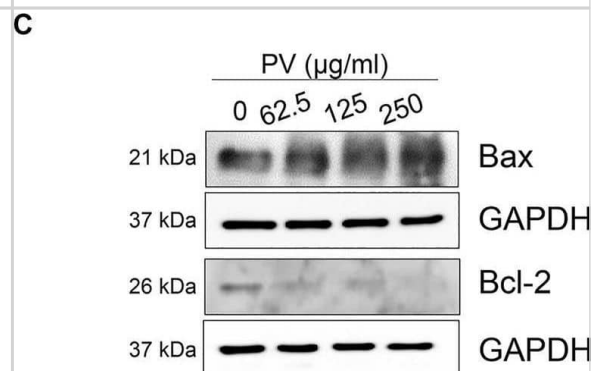


Western Blot: Bax Antibody [NB100-56095] - Analysis of Bax in Daoy whole cell lysate using anti-Bax antibody. Image from verified customer review.

Bax NB100-56095



Mitochondria dysregulation occurs due to PV administration. The 12Z cells were stimulated with PV for 18 h and then stained with TMRM or MitoSox dye. The mitochondrial membrane potential and mitochondrial reactive oxygen species were assessed using flow cytometry (A,B). Mitochondrial-dependent apoptosis signaling molecules, Bax and Bcl-2 were detected 24 h after PV treatment using western blotting (C). The specific molecular weight is represented on the left. Data are expressed as mean \pm SEM. Statistical analysis was conducted using a Dunnett one-way ANOVA (*; $p < 0.05$, **; $p < 0.01$, ***; $p < 0.001$). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35444541>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Cho M, Jin J, Jo Y et al. Frankincense ameliorates endometriosis via inducing apoptosis and reducing adhesion Integrative Medicine Research 2023-06-01 [PMID: 37168676] (Western Blot, Human)

Yang F, Chen W, Jiang S et al. A candidate protective factor in amyotrophic lateral sclerosis: heterogenous nuclear ribonucleoprotein G Neural Regeneration Research 2022-11-18 [PMID: 36571358] (WB, Mouse)

Details:

Dilution used 1:1000, find under Imgenex catalog number IMG-5682

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)

Moon S, Choi H, Chung T et al. Sorbus commixta water extract induces apoptotic cell death via a ROS-dependent pathway Oncol Lett 2018-07-25 [PMID: 30197667] (WB, Human)

Kumar A, Kant S, Singh SM. Targeting monocarboxylate transporter by alpha-cyano-4-hydroxycinnamate modulates apoptosis and cisplatin resistance of Colo205 cells: implication of altered cell survival regulation. Apoptosis 2013-12-01 [PMID: 23955790] (WB, Human)

Ohta K, Iwai K, Kasahara Y et al. Immunoblot analysis of cellular expression of Bcl-2 family proteins, Bcl-2, Bax, Bcl-X and Mcl-1, in human peripheral blood and lymphoid tissues. Int Immunol. 1995-11-01 [PMID: 8580080] (WB, Human)

Details:

WB: Bcl-2 (IMG-5685), Mcl-1 (IMG-5733), Bax (IMG-5682), Bcl-X (IMG-80459). 1. WB: Human PBMC, neutrophils, tonsil, spleen, thymus, Fig 1A.





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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.

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