Product Datasheet

Bax Antibody (6A7) - Azide and BSA Free
NBP1-28566

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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Reviews: 3 Publications: 21

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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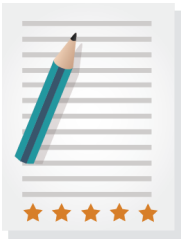
Updated 2/21/2025 v.20.1



NBP1-28566

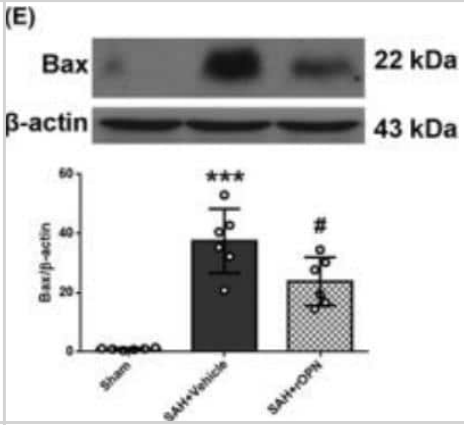
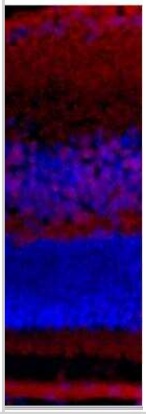
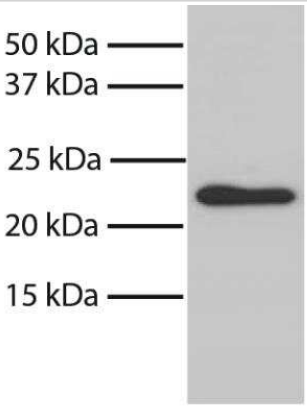
Bax Antibody (6A7) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	0.1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	6A7
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	Borate buffered saline, pH 8.2

Product Description	
Host	Mouse
Gene ID	581
Gene Symbol	BAX
Species	Human, Mouse, Rat, Porcine, Bovine, Monkey
Reactivity Notes	Use in Porcine reported in scientific literature (PMID:34243771) Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-questions.
Specificity/Sensitivity	The monoclonal antibody 6A7 reacts with human, mouse and rat Bax but does not bind the soluble cytosolic form of Bax; however, treatment of cells with non-ionic detergents exposes the epitope and allows binding of 6A7 to monomeric forms of Bax but not Bax complexed with either Bcl-2 or Bcl-xL.
Immunogen	KLH-conjugated peptide corresponding to amino acids 12-24 located near the N-terminus common to human, mouse and rat Bax.

Product Application Details	
Applications	Western Blot, Functional, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot < = 1 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:10-1:500, Functional
Application Notes	Use in IHC-P reported in scientific literature (PMID:33143886) Use in functional reported in scientific literature (PMID:31410057). Bax antibody validated for IHC-F, WB from a verified customer reviews.

Images

Western Blot: Bax Antibody (6A7) [NBP1-28566] - rOPN administration elevated the expression of autophagy-related proteins while suppressing apoptosis in rat brain at 24 h after SAH. The effects of rOPN on expression levels of Bax, mean +/- SD is 1.006 +/- 0.321 in Sham group, 37.47 +/- 10.86 in SAH + Vehicle group, 23.83 +/- 8.143 in SAH + rOPN group, F = 33.13, in the left hemisphere of rat brain at 24 h after SAH. Sample size is 18, n = 6 per group. Data were presented as mean +/- SD. *P < .05, ***P < .001 vs Sham group; #P < .05, ##P < .01 vs SAH + Vehicle group Image collected and cropped by CiteAb from the following publication (https://onlinelibrary.wiley.com/doi/abs/10.1111/cns.13199) licensed under a CC-BY license.	
Immunohistochemistry-Frozen: Bax Antibody (6A7) [NBP1-28566] - Mouse retina with no pretreatment. IHC-F image submitted by a verified customer review	
Western Blot: Bax Antibody (6A7) [NBP1-28566] - Analysis of lysates from human metastatic pancreatic cancer cell line L3.6pl using Bax Antibody (clone 6A7; Lot # B168-P780E). This image was submitted via reviews by a verified end user.	
Western Blot: Bax Antibody (6A7) [NBP1-28566] - Total cell lysates from NIH/3T3 cells were resolved by electrophoresis, transferred to PVDF membrane, and probled with Mouse Anti-Bax UNLB.	

Publications

Yang G, Xiang J, Yang X et al. Nuclear translocation of SIRT4 mediates deacetylation of U2AF2 to modulate renal fibrosis through alternative splicing-mediated upregulation of CCN2 eLife 2024-11-04 [PMID: 39495216]

Zhao L, Zhang JH, Sherchan P et al. Administration of rCTRP9 Attenuates Neuronal Apoptosis Through AdipoR1/PI3K/Akt Signaling Pathway after ICH in Mice. Cell Transplant 2019-01-14 [PMID: 30642187]

Victorelli S, Salmonowicz H, Chapman J et al. Apoptotic stress causes mtDNA release during senescence and drives the SASP Nature 2023-10-01 [PMID: 37821702] (Co-IP, Mouse)

Ghosh S, Singh R, Vanwinkle ZM et al. Microbial metabolite restricts 5-fluorouracil-resistant colonic tumor progression by sensitizing drug transporters via regulation of FOXO3-FOXM1 axis Theranostics 2022-07-18 [PMID: 35910798] (WB, Human)

Details:
Dilutions: 1:500

Simbulan-Rosenthal CM, Haribabu Y, Vakili S et al. Employing CRISPR-Cas9 to Generate CD133 Synthetic Lethal Melanoma Stem Cells International journal of molecular sciences 2022-02-20 [PMID: 35216449] (WB, Human)

Mehanna ET, Khalaf SS, Mesbah NM Et al. Anti-oxidant, anti-apoptotic, and mitochondrial regulatory effects of selenium nanoparticles against vancomycin induced nephrotoxicity in experimental rats Life sciences 2021-10-26 [PMID: 34715137] (WB, Rat)

Hale BJ, Li Y, Adur MK et al. Characterization of the effects of heat stress on autophagy induction in the pig oocyte Reproductive biology and endocrinology : RB&E 2021-07-09 [PMID: 34243771] (IF/IHC)

Song B, Wei D, Yin G et al. Critical role of SIRT1 upregulation on the protective effect of lncRNA ANRIL against hypoxia/reoxygenation injury in H9c2 cardiomyocytes Molecular medicine reports 2021-08-01 [PMID: 34080028] (WB, Rat)

Gul HF, Ilhan N, Ilhan N et al. The Combined Effect of Pomegranate Extract and Tangeretin on the DMBA-induced Breast Cancer Model The Journal of nutritional biochemistry 2020-12-13 [PMID: 33326843] (WB, Rat)

Arman T, Lynch KD, Goedken M, Clarke JD Sub-chronic microcystin-LR renal toxicity in rats fed a high fat/high cholesterol diet Chemosphere 2020-10-27 [PMID: 33143886] (IHC-P, Rat)

Sun F, Du J, Li H et al. FABP4 inhibitor BMS309403 protects against hypoxia-induced H9c2 cardiomyocyte apoptosis through attenuating endoplasmic reticulum stress J. Cell. Mol. Med. 2020-09-07 [PMID: 32896039] (WB, Rat)

Tang H, Gamdzyk M, Huang L et al. Delayed recanalization after MCAO ameliorates ischemic stroke by inhibiting apoptosis via HGF/c-Met/STAT3/Bcl-2 pathway in rats Exp. Neurol. 2020-05-16 [PMID: 32428505] (WB, Rat)

More publications at http://www.novusbio.com/NBP1-28566

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Products Related to NBP1-28566

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00000581-P01-10ug	Recombinant Human Bax GST (N-Term) Protein

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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