

# Product Datasheet

## Bax Antibody NBP2-67285

Unit Size: 100 ul

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

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[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 5

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Updated 10/23/2024 v.20.1

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**NBP2-67285**

Bax Antibody

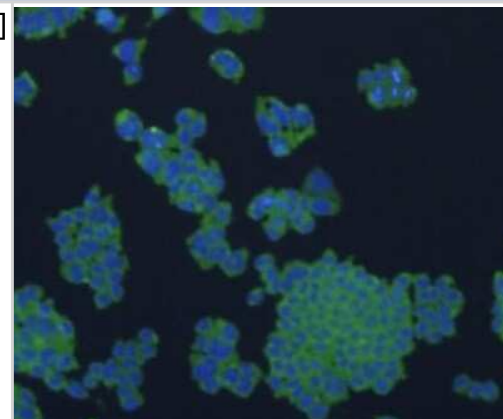
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH7.4), 0.2% BSA, 40% Glycerol
Target Molecular Weight	21 kDa

Product Description	
Host	Rabbit
Gene ID	581
Gene Symbol	BAX
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human Bax aa 1-50 / 192. (SwissProt: Q07812 Human; SwissProt: Q07813 Mouse; SwissProt: Q63690 Rat)

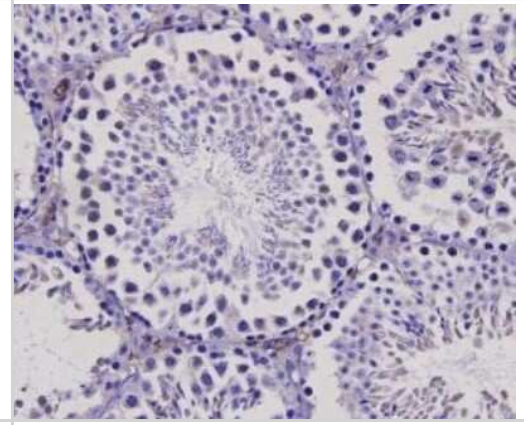
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:5,000-1:20,000, Immunohistochemistry 1:1,000, Immunocytochemistry/ Immunofluorescence 1:200, Immunohistochemistry-Paraffin 1:1,000

**Images**

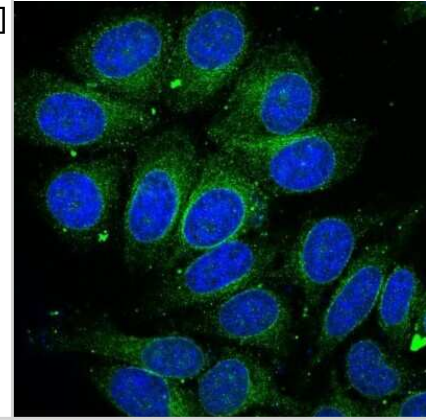
Immunocytochemistry/Immunofluorescence: Bax Antibody [NBP2-67285] - Staining Bax in F9 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



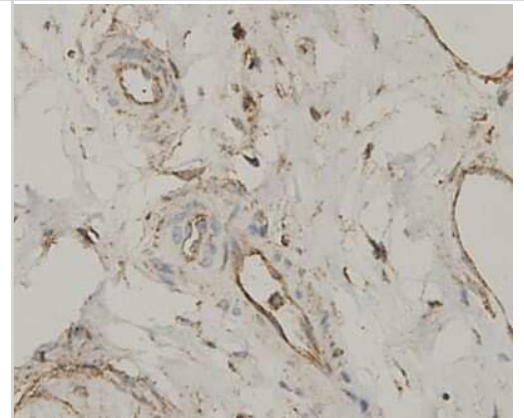
Immunohistochemistry-Paraffin: Bax Antibody [NBP2-67285] - Analysis of paraffin-embedded mouse testis tissue using anti-Bax antibody. Counter stained with hematoxylin.



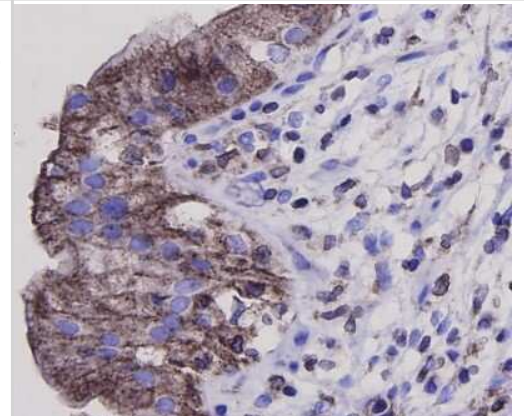
Immunocytochemistry/Immunofluorescence: Bax Antibody [NBP2-67285] - Staining Bax in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



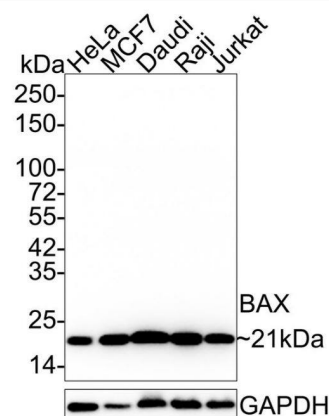
Immunohistochemistry-Paraffin: Bax Antibody [NBP2-67285] - Analysis of paraffin-embedded human cervical tissue using anti-Bax antibody. Counter stained with hematoxylin.



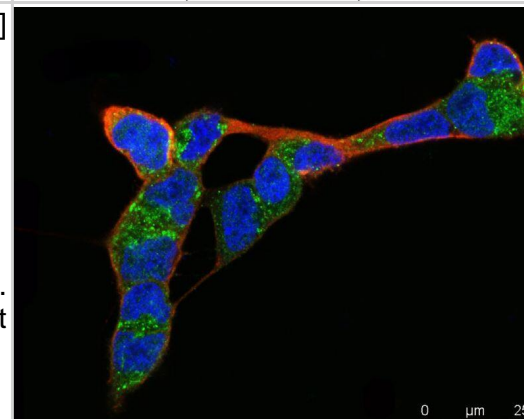
Immunohistochemistry-Paraffin: Bax Antibody [NBP2-67285] - Analysis of paraffin-embedded human gall bladder tissue using anti-Bax antibody. Counter stained with hematoxylin.



**Western Blot: Bax Antibody [NBP2-67285]** - Analysis of BAX on different lysates with Rabbit anti-BAX antibody at 1/5,000 dilution and competitor's antibody at 1/1,000 dilution. Lane 1: HeLa cell lysate Lane 2: MCF7 cell lysate Lane 3: HEK-293 cell lysate Lysates/proteins at 15 ug/Lane. Predicted band size: 21 kDa Observed band size: 21 kDa Exposure time: 1 minute 34 seconds; ECL: K1801; 4-20% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/5,000 dilution and competitor's antibody at 1/1,000 dilution were used in 5% NFDM/TBST at 4 °C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



**Immunocytochemistry/Immunofluorescence: Bax Antibody [NBP2-67285]** - Analysis of SHSY5Y cells labeling BAX with Rabbit anti-BAX antibody at 1/200 dilution. Cells were fixed in 4% paraformaldehyde for 10 minutes at 37 °C, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-BAX antibody at 1/200 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488,) was used as the secondary antibody at 1/1,000 dilution. Nuclear DNA was labelled in blue with DAPI. Beta tubulin ( red) was stained at 1/200 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 647, were used as the secondary antibody at 1/1,000 dilution.



## Publications

ONDER G, GOKTEPE O, BARAN M et al. Therapeutic potential of hesperidin: Apoptosis induction in breast cancer cell lines Research Square 2023-01-25 [PMID: 37080525]

Yang HL, Lin YA, Pandey S et al. In vitro and in vivo anti-tumor activity of Antrodia salmonea against twist-overexpressing HNSCC cells: Induction of ROS-mediated autophagic and apoptotic cell death Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association 2022-12-20 [PMID: 36563924]

Alruhaimi RS Betulinic acid protects against cardiotoxicity of the organophosphorus pesticide chlorpyrifos by suppressing oxidative stress, inflammation, and apoptosis in rats Environmental science and pollution research international 2023-02-20 [PMID: 36808036]

Alyami NM, Almeer R, Alyami HM Protective effects of Asparagus officinalis (asparagus) against lead toxicity in mice Environmental science and pollution research international 2022-10-11 [PMID: 36219290]

Onder GO, Sezer G, Ozdamar S, Yay A Melatonin has an inhibitory effect on MCF-7 and MDA-MB-231 human breast cancer cell lines by inducing autophagy and apoptosis Fundamental & clinical pharmacology 2022-07-02 [PMID: 35778975]



### **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 NBP2-67285**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00000581-P01-10ug	Recombinant Human Bax GST (N-Term) Protein

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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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