

Product Datasheet

Caspase-3 Antibody NB600-1235

Unit Size: 0.5 ml

Store at 4C. Do not freeze.

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NB600-1235

Caspase-3 Antibody

Product Information	
Unit Size	0.5 ml
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.4), 0.2% BSA, Tween-20
Target Molecular Weight	31.7 kDa

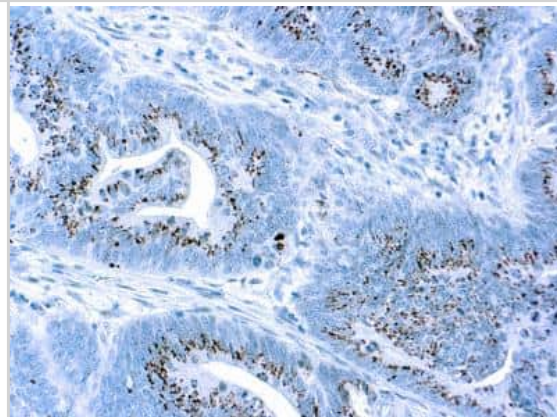
Product Description	
Description	Novus Biologicals Rabbit Caspase-3 Antibody (NB600-1235) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Caspase-3 Antibody: Cited in 39 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	836
Gene Symbol	CASP3
Species	Human, Fish
Reactivity Notes	Fish reactivity reported in scientific literature (PMID: 28675853).
Specificity/Sensitivity	This reacts with the active form of Caspase 3 (17 kDa protein).
Immunogen	This Caspase-3 Antibody was developed against a synthetic peptide corresponding to the cleavage site of human caspase 3 (amino acids 167-175), conjugated to KLH.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:50-1:100, Immunohistochemistry-Frozen, Immunohistochemistry Free-Floating
Application Notes	IHC-P: recommended pretreatment of citrate buffer, pH 6.0. Recommended incubation time of 30 min at RT. Use in ICC/IF was reported in the scientific literature (PMID: 23813946). Use in Western blot reported in scientific literature (PMID: 29977195). Use in IHC-FrFI reported in scientific publication PMID: 32651317. This Caspase-3 Antibody is validated for IHC-Fr from a verified customer review.

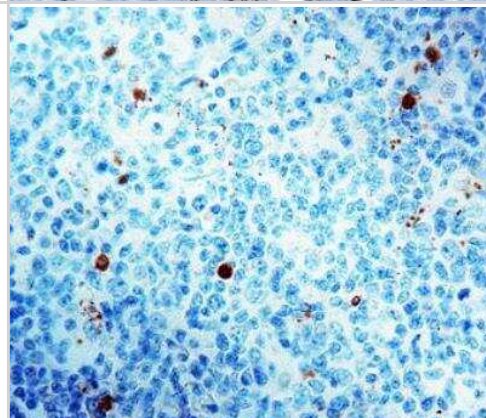


Images

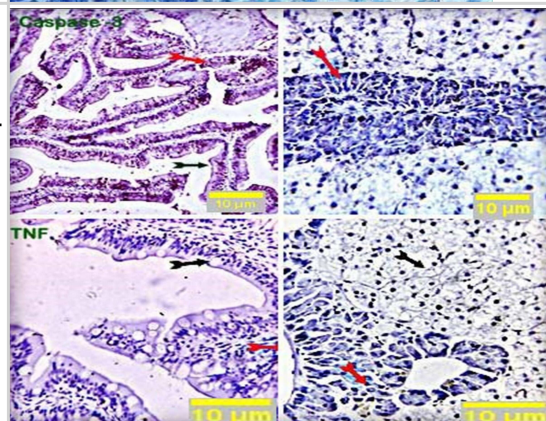
Immunohistochemistry-Paraffin: Caspase-3 Antibody [NB600-1235] - Formalin fixed paraffin embedded human tonsil stained with Caspase-3 Antibody (NB600-1235).



Immunohistochemistry-Paraffin: Caspase-3 Antibody [NB600-1235] - Human tonsil.



Immunohistochemistry: Caspase-3 Antibody [NB600-1235] - Stained sections of fish intestine and liver of the control group showed negative staining reactions in all the examined parts of the intestinal and hepatic tissue (black and red arrows) against caspase-3 (NB600-1235) and TNF-alpha (NBP2-61611) antibodies. Nearly 10% of hepatic portal cells reacted positively to caspase-3. Scale bars = 10 um. Image collected and cropped by CiteAb from the following publication (<http://pubmed.ncbi.nlm.nih.gov/35624801/>) licensed under a CC-BY license.



Publications

Guler Mc, Tanyeli A, Erdogan Dg Urapidil alleviates ovarian torsion detorsion injury via regulating oxidative stress, apoptosis, autophagia, and inflammation. Iran J Basic Med Sci 2021-10-29 [PMID: 34712424]

Cheng Y, Shi L, Mao H et al. The Effect of Sevoflurane Anesthesia on the Biomarkers of Neural Injury in the Prefrontal Cortex of Aged Marmosets Frontiers in aging neuroscience 2022-06-30 [PMID: 35847680]

Mike JK, Wu KY, White Y et al. Defining Longer-Term Outcomes in an Ovine Model of Moderate Perinatal Hypoxia-Ischemia Developmental Neuroscience 2022-05-19 [PMID: 35588703]

Amer SA, El-Araby DA, Tartor H et al. Long-Term Feeding with Curcumin Affects the Growth, Antioxidant Capacity, Immune Status, Tissue Histoarchitecture, Immune Expression of Proinflammatory Cytokines, and Apoptosis Indicators in Nile Tilapia, Oreochromis niloticus Antioxidants (Basel) 2022-05-10 [PMID: 35624801]

Garofalo S, Grimaldi A, Chece G et al. The glycoside oleandrin reduces glioma growth with direct and indirect effects on tumor cells. J. Neurosci. 2017-03-14 [PMID: 28292827]

Liu XY, Wei MG, Liang J, Xu HH et Al. Injury-preconditioning secretome of umbilical cord mesenchymal stem cells amplified the neurogenesis and cognitive recovery after severe traumatic brain injury in rats J Neurochem 2019-08-30 [PMID: 31465551]

Ekinci Akdemir FN, Güler MC, Eraslan E et Al. Caftaric acid attenuates kidney and remote organ damage induced by renal ischemia-reperfusion injury Sci Rep 2024-12-28 [PMID: 39732968]

Dominika Bębnowska, Rafał Hryniewicz, Sylwia Rzeszotek, Marika Freus, Agata Poniewierska-Baran, Paulina Niedźwiedzka-Rystwej, Zhifang Zhang Apoptotic Cell Death in an Animal Model of Virus-Induced Acute Liver Failure—Observations during Lagovirus europaeus /GI.2 Infection International Journal of Molecular Sciences 2024-01-08 [PMID: 38255873]

Akifumi Yao, Mayuko Nakamura, Hisanori Kohtsuka, Tomoki Sunobe, Toru Miura Gonadal and cellular dynamics during protogynous sex change in the harlequin sandsmelt *Parapercis pulchella*. Journal of fish biology 2023-12-28 [PMID: 37621220]

Kavukcu SB, Ensario?lu HK, Karab?y?k H et al. Cell Death Mechanism of Organometallic Ruthenium(II) and Iridium (III) Arene Complexes on HepG2 and Vero Cells ACS omega 2023-10-10 [PMID: 37841164] (ICC/IF, Human, Primate)

Herrera LR, Johnson RA, McGlynn K et al. The Cancer Testes Antigen, HORMAD1, Limits Genomic Instability in Cancer Cells by Protecting Stalled Replication Forks The Journal of biological chemistry 2023-10-12 [PMID: 37838177] (WB, Human)

Ibrahim Fouad G, Ahmed K The protective impact of Berberine against Doxorubicin-induced nephrotoxicity in Rats Tissue Cell 2021-08-09 [PMID: 34371291]

More publications at <http://www.novusbio.com/NB600-1235>



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 NB600-1235

NB800-PC2	Jurkat Whole Cell Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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