

Product Datasheet

Caspase-3 Antibody NB600-1235

Unit Size: 0.5 ml

Store at 4C. Do not freeze.

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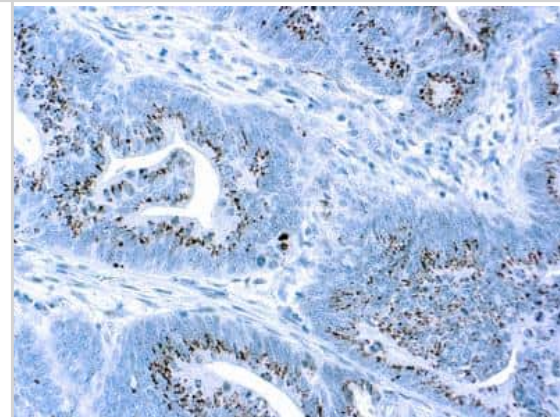
NB600-1235

Caspase-3 Antibody

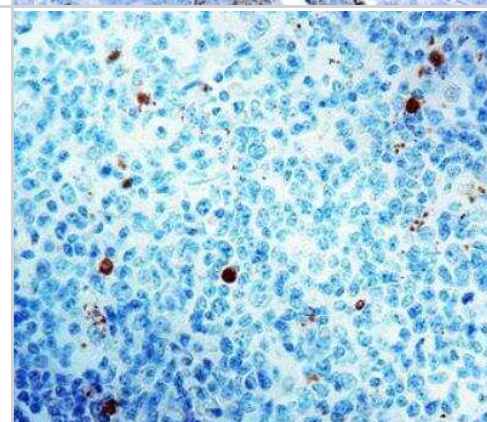
Product Information	
Unit Size	0.5 ml
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.4), 0.2% BSA, Tween-20
Target Molecular Weight	31.7 kDa
Product Description	
Host	Rabbit
Gene ID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

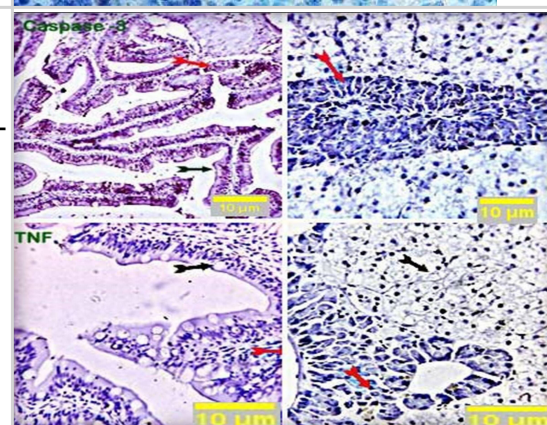
Immunohistochemistry-Paraffin: Caspase-3 Antibody [NB600-1235] - Formalin fixed paraffin embedded human tonsil stained with Caspase-3 Antibody (NB600-1235).



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 ([//pubmed.ncbi.nlm.nih.gov/35624801/](https://pubmed.ncbi.nlm.nih.gov/35624801/)) licensed under a CC-BY license.



Publications

Dominika Bębnowska, Rafał Hrynkiewicz, 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]

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]

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)

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] (Immunocytochemistry/ Immunofluorescence)

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] (IHC)

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] (Immunohistochemistry)

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

Eskiler GG, Turna O, Ozkan AD et al. The response of the canine mammary simple carcinoma and carcinosarcoma cells to 5-aminolaevulinic acid-based photodynamic therapy: An in vitro study Journal of photochemistry and photobiology. B, Biology 2022-07-05 [PMID: 35810598] (WB, Canine)

Abdelmaksoud H, Osman E, Abdel-Hameed S et al. In vivo evaluation of anticryptosporidial effects of wheat germ extracts in immunocompromised mice Journal of Parasitic Diseases 2022-06-18 [PMID: 36091283]

Abdelmaksoud H, Osman E, Abdel-Hameed S et al. In vivo evaluation of anticryptosporidial effects of wheat germ extracts in immunocompromised mice Journal of Parasitic Diseases Jun 18 2022 12:00AM

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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

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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