

Product Datasheet

Caspase-3 Antibody - BSA Free NBP1-90125

Unit Size: 0.1 ml

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

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Publications: 2

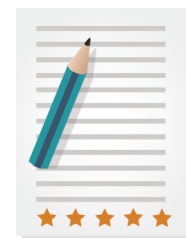
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NBP1-90125

Caspase-3 Antibody - BSA Free

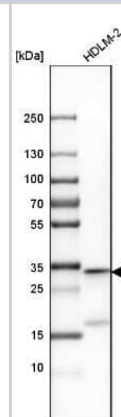
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	31.7 kDa

Product Description	
Host	Rabbit
Gene ID	836
Gene Symbol	CASP3
Species	Human, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 23901245). Mouse (84%).
Immunogen	This Caspase-3 Antibody was developed against a recombinant Protein corresponding to amino acids: HGSESMDSGISLDNSYKMDYPEMGLCIIINNKNFHKSTGMTSRSGTDVDAANL RETFRNLYEVRNKNDLTREEIVELMRDVSKEHDKSRSSFVCLLSHGEEGIIF GTNGPVDL

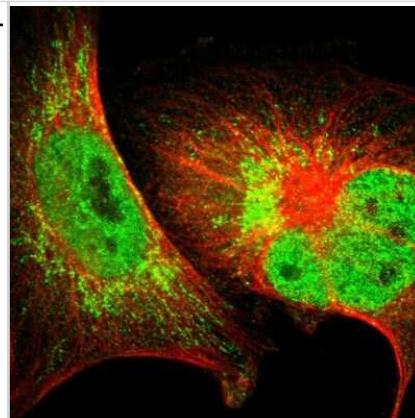
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

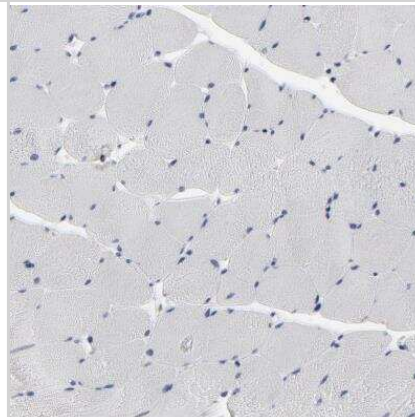
Western Blot: Caspase-3 Antibody [NBP1-90125] - Analysis in human cell line HDLM-2.



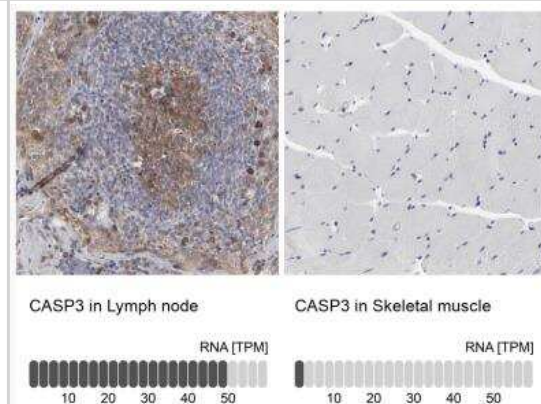
Immunocytochemistry/Immunofluorescence: Caspase-3 Antibody [NBP1-90125] - Staining of human cell line U-251 MG shows localization to nucleoplasm and mitochondria. Antibody staining is shown in green.



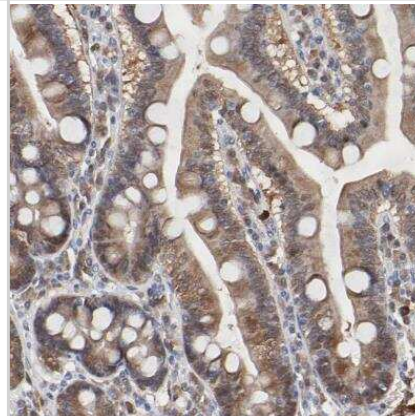
Immunohistochemistry-Paraffin: Caspase-3 Antibody [NBP1-90125] - Staining of human skeletal muscle shows no cytoplasmic positivity in myocytes as expected.



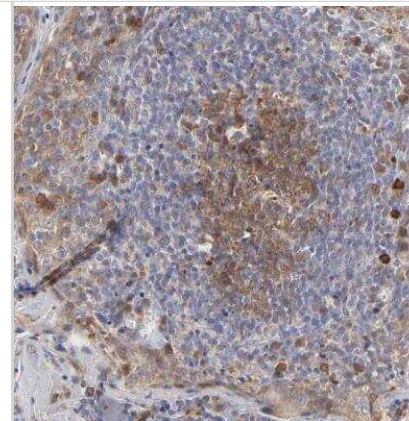
Immunohistochemistry-Paraffin: Caspase-3 Antibody [NBP1-90125] - Analysis in human lymph node and skeletal muscle tissues. Corresponding CASP3 RNA-seq data are presented for the same tissues.



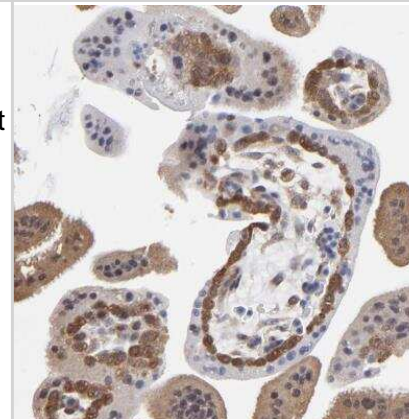
Immunohistochemistry-Paraffin: Caspase-3 Antibody [NBP1-90125] - Staining of human appendix shows moderate to strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: Caspase-3 Antibody [NBP1-90125] - Staining of human lymph node shows moderate to strong cytoplasmic positivity in germinal center cells.



Immunohistochemistry-Paraffin: Caspase-3 Antibody [NBP1-90125] - HUVEC cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with CD31/PECAM-1 Antibody at 5 ug/mL overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:500 dilution. Alpha tubulin (DM1A) NB100-690 was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse Dylight 550 (Red) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Publications

Cheng□Chiao Huang, Chia□Ming Hsu, Min□Wu Chao, Kai□Cheng Hsu, Tony Eight Lin, Shih□Chung Yen, Huang□Ju Tu, Shio□Lin Pan In silico identification of a novel Cdc2□like kinase 2 (CLK2) inhibitor in triple negative breast cancer Protein Science : A Publication of the Protein Society 2024-05-09 [PMID: 38723164]

Contin MA, Arietti MM, Benedetto MM et al. Photoreceptor damage induced by low-intensity light: model of retinal degeneration in mammals. Mol Vis 2013-01-01 [PMID: 23901245] (WB, Rat)



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Products Related to NBP1-90125

NBP3-11853	Jurkat Staurosporine Treated / Untreated Cell Lysate
NBP1-90125PEP	Caspase-3 Recombinant Protein Antigen
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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