

# Product Datasheet

## Caspase-12 Antibody - BSA Free NBP1-76801

Unit Size: 0.1 mg

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

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Updated 10/23/2024 v.20.1

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**NBP1-76801**

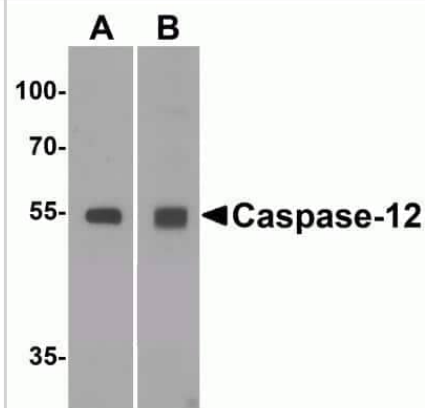
Caspase-12 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	55 kDa
Product Description	
Host	Rabbit
Gene ID	100506742
Gene Symbol	CASP12
Species	Human, Mouse, Rat, Chicken
Reactivity Notes	Use in Chicken reported in scientific publication (PMID: 32587659).
Immunogen	Antibody was raised against a 17 amino acid peptide near the center of murine Caspase-12. The immunogen is located within amino acids 90 - 140 of Caspase-12. Amino Acid Squence: CTPSSPSESKRKVEDDE
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 2 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Paraffin 2 ug/ml

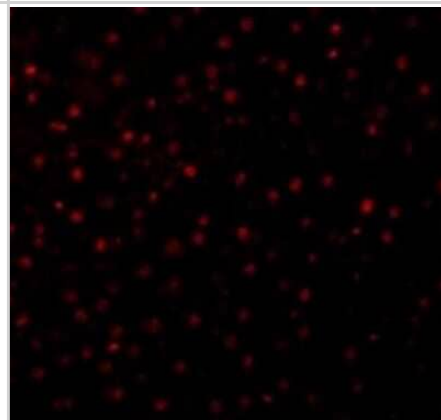


**Images**

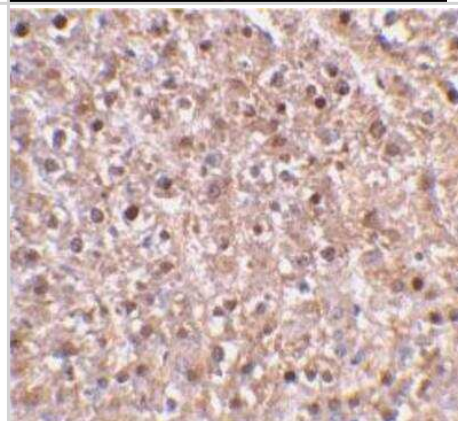
Western Blot: Caspase-12 Antibody [NBP1-76801] - Western blot analysis of Caspase-12 in (A) human spleen and (B) mouse spleen tissue lysate with Caspase-12 antibody at 1 ug/mL.



Immunocytochemistry/Immunofluorescence: Caspase-12 Antibody [NBP1-76801] - Mouse Liver cells with Caspase-12 antibody at 10 ug/mL.



Immunohistochemistry-Paraffin: Caspase-12 Antibody [NBP1-76801] - Mouse liver tissue using caspase-12 antibody at 2 ug/ml.



## Publications

Chen J, Zhou Y, Zhu E et al. Mycoplasma ovipneumoniae induces caspase-8-dependent extrinsic apoptosis and p53- and ROS-dependent intrinsic apoptosis in murine alveolar macrophages *Virulence* 2021-12-31 [PMID: 34678131] (Block/Neutralize)

Du K, Zheng X, Lv J et al. Cordycepin exacerbates cadmium-induced neurotoxicity via promoting endoplasmic reticulum stress-associated apoptosis *Journal of Functional Foods* 2022-02-01 (WB, Mouse)

Wang H, Dou S, Zhu J et al. Ghrelin protects dopaminergic neurons against MPTP neurotoxicity through promoting autophagy and inhibiting endoplasmic reticulum mediated apoptosis *Brain Res* 2020-07-26 [PMID: 32710901] (WB, ICC/IF)

Yao J, Ma Y, Lin X et al. The Attenuating Effect of the Intraovarian Bone Morphogenetic Protein 4 on Age-Related Endoplasmic Reticulum Stress in Chicken Follicular Cells *Oxid Med Cell Longev* 2020-06-08 [PMID: 32587659] (WB, Chicken)

Jang Y, Kwon I, Song W et al. Modulation of mitochondrial phenotypes by endurance exercise contributes to neuroprotection against a MPTP-induced animal model of PD *Life Sci.* 2018-08-22 [PMID: 30144449] (WB, Mouse)

Nakagawa T, Yuan J. Cross-talk between two cysteine protease families. Activation of caspase-12 by calpain in apoptosis. *J Cell Biol.* 2000-08-21 [PMID: 10953012]





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### **Products Related to NBP1-76801**

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NBP3-11853	Jurkat Staurosporine Treated / Untreated Cell Lysate
NBP1-76801PEP	Caspase-12 Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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