

# Product Datasheet

## Caspase-8 Antibody - (Pro and Active) NBP1-05123

Unit Size: 0.05 ml

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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

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Updated 10/23/2024 v.20.1

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**NBP1-05123****Caspase-8 Antibody - (Pro and Active)**

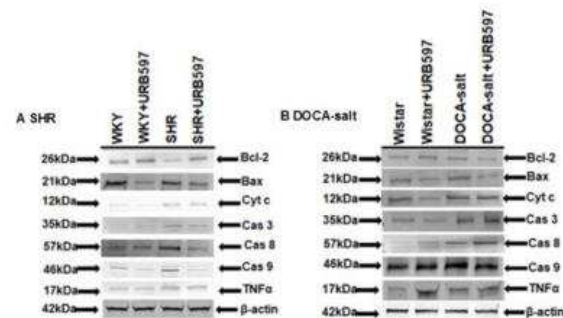
Product Information	
<b>Unit Size</b>	0.05 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Unpurified
<b>Buffer</b>	Whole antisera

Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	841
<b>Gene Symbol</b>	CASP8
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Synthetic peptide corresponding to the C-terminus of human Caspase-8 (PQPTFTLRKKLVFPSD). This sequence is common to various Caspase-8 forms including: 1. Caspase 8a (aa 481-496 GenBank no. NP_001219.2) 2. Caspase 8b (aa 464-479, GenBank no. NP_203519.1) 3. Caspase 8c (aa 449-464, GenBank no. NP_203520.1) 4. Caspase 8L (aa 523-538, GenBank no. gbAAL87628.1) 5. Truncated caspase 8 (as 251-266, GenBank no. gi3928274)

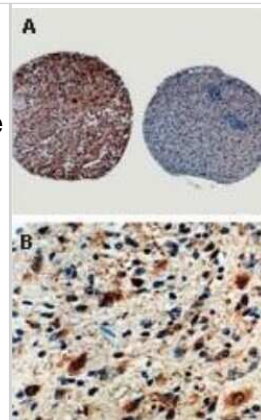
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:2000, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:50-1:200, Immunohistochemistry-Paraffin 1:1000-1:5000, Immunohistochemistry-Frozen 1:10-1:500

**Images**

Western Blot: Caspase-8 Antibody - (Pro and Active) [NBP1-05123] - The level of proteins playing essential roles in programmed cell death (Bax, Bcl-2, Cyt c, and caspases 3, 8, and 9) and inflammation (TNF- $\alpha$ ) in the heart of hypertensive rats (A) SHR and (B) DOCA-salt, and rats after administration of URB597. The expression of examined protein is shown in comparison to the control. Image collected and cropped by Citeab from the following publication (The Effect of Long-Term Administration of Fatty Acid Amide Hydrolase Inhibitor URB597 on Oxidative Metabolism in the Heart of Rats with Primary and Secondary Hypertension. Molecules (2018) licensed under a CC-BY license.

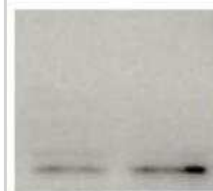


Immunohistochemistry-Paraffin: Caspase-8 Antibody - (Pro and Active) [NBP1-05123] - Formalin-fixed, paraffin-embedded sections from a brain tumor tissue array stained for Caspase-8 expression using NBP1-05123 at 1:2000. A. Anaplastic glioma cores from two different patients, positive (left) and negative (right) staining for caspase-8. B. Higher magnification from the caspase-8 positive (A, left) core.



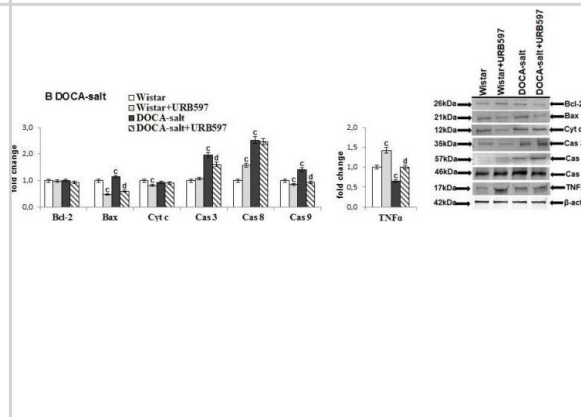
Western Blot: Caspase-8 Antibody - (Pro and Active) [NBP1-05123] - AML12 whole cell lysate. Good specific band is observed. Primary antibody at 1: 2000, secondary antibody at 1: 20000. Skimmed milk as blocking buffer. Western blot image submitted by a verified customer review.

Aml12 cells

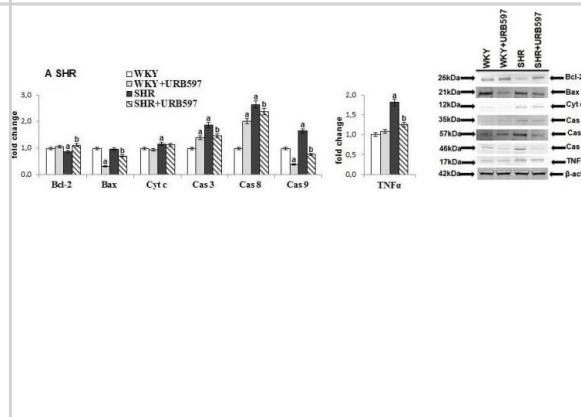


Caspase 8

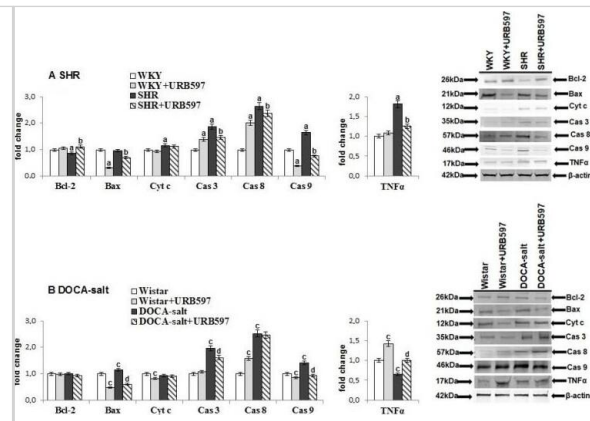
Western Blot: Caspase-8 Antibody - (Pro and Active) [NBP1-05123] - The level of proteins playing essential roles in programmed cell death (Bax, Bcl-2, Cyt c, & caspases 3, 8, & 9) & inflammation (TNF- $\alpha$ ) in the heart of hypertensive rats (A) SHR & (B) DOCA-salt, & rats after administration of URB597. The expression of examined protein is shown in comparison to the control. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30223427>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: Caspase-8 Antibody - (Pro and Active) [NBP1-05123] - The level of proteins playing essential roles in programmed cell death (Bax, Bcl-2, Cyt c, & caspases 3, 8, & 9) & inflammation (TNF- $\alpha$ ) in the heart of hypertensive rats (A) SHR & (B) DOCA-salt, & rats after administration of URB597. The expression of examined protein is shown in comparison to the control. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30223427>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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## Publications

Yang X, Zeng Q, Tezel G Regulation of distinct caspase-8 functions in retinal ganglion cells and astroglia in experimental glaucoma *Neurobiology of disease* 2021-01-09 [PMID: 33434617] (IF/IHC, Human)

Biernacki M, Luczaj W, Jarocka-Karpowicz I et al. The Effect of Long-Term Administration of Fatty Acid Amide Hydrolase Inhibitor URB597 on Oxidative Metabolism in the Heart of Rats with Primary and Secondary Hypertension. *Molecules* 2018-09-14 [PMID: 30223427] (WB, Rat)

Tian F, Clift MJ, Casey A et al. Investigating the role of shape on the biological impact of gold nanoparticles in vitro. *Nanomedicine (Lond)* 2015-09-01 [PMID: 26377045]

Liu Q, Zhao X, Frissora F et al. FTY720 demonstrates promising preclinical activity for chronic lymphocytic leukemia and lymphoblastic leukemia/lymphoma. *Blood*. 2008-01-01 [PMID: 17761520]

Svingen PA, Karp JE, Krajewski S et al. Evaluation of Apaf-1 and procaspases-2, -3, -7, -8, and -9 as potential prognostic markers in acute leukemia. *Blood*. 2000-12-01 [PMID: 11090079]



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### **Products Related to NBP1-05123**

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NBP3-11853	Jurkat Staurosporine Treated / Untreated Cell Lysate
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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