

# Product Datasheet

## Caspase-7 Antibody - (active/cleaved) NB100-56115SS

Unit Size: 0.025 ml

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

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**NB100-56115SS**

Caspase-7 Antibody - (active/cleaved)

<b>Product Information</b>	
<b>Unit Size</b>	0.025 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. 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>	Neat whole antisera
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	840
<b>Gene Symbol</b>	CASP7
<b>Species</b>	Human, Mouse, Rat, Canine, Gerbil
<b>Reactivity Notes</b>	Mouse, Canine, Rat reactivity reported in scientific literature (PMID: 15380478).
<b>Specificity/Sensitivity</b>	This polyclonal antisera recognizes the large (~17-22 kDa) and small (~10 kDa) subunits of active/cleaved caspase-7. Whereas the antisera has a strong preference for active/cleaved caspase-7, in some cell or tissue systems or techniques the antisera may also recognize the proform of Caspase-7 (~35 kDa).
<b>Immunogen</b>	Recombinant catalytically active human Caspase-7 protein was used as immunogen.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:2000, Immunohistochemistry, Immunoprecipitation 1:50-1:200, Immunohistochemistry-Paraffin 1:1000-1:5000, Immunohistochemistry-Frozen
<b>Application Notes</b>	IHC (frozen): Users should optimize according to model and immunodetection system used (secondary reagents)

## Publications

Chiu CF, Lin YQ, Park JM et al. The novel camptothecin derivative, CPT211, induces cell cycle arrest and apoptosis in models of human breast cancer *Biomed. Pharmacother.* 2020-08-01 [PMID: 32505820]

Cevatemre B, Erk?sa M, Aztopal N et al. A promising natural product, pristimerin, results in cytotoxicity against breast cancer stem cells in vitro and xenografts in vivo through apoptosis and an incomplete autophagy in breast cancer. *Pharmacol Res* 2017-12-01 [PMID: 29197639] (Mouse)

Lubet RA, Scheiman JM, Bode A et al. Prevention of chemically induced urinary bladder cancers by naproxen: protocols to reduce gastric toxicity in humans do not alter preventive efficacy *Cancer Prev Res (Phila)* 2015-04-01 [PMID: 25762530] (IHC-P, Rat)

Krajewska M, Rosenthal RE, Mikolajczyk J et al. Early processing of Bid and caspase-6, -8, -10, -14 in the canine brain during cardiac arrest and resuscitation. *Exp Neurol.* 2004-10-01 [PMID: 15380478] (WB, IHC-P, Canine, Rat, Mouse)

### Details:

Antibodies cited: 1. Caspase-9 (Active/Cleaved), IMG-5705: WB: Fig 1A (recombinant human caspase-9), Fig 4A (recombinant human caspase-9, rat brain), Fig 4B-F (isolated mitochondria from rat liver or heart). Fig 5 (PC12 cells) IHC (P): Fig 2d-k (rat kidney)





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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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