

Product Datasheet

Caspase-6 Antibody - BSA Free NB100-56114

Unit Size: 0.05 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 9/9/2025 v.20.1

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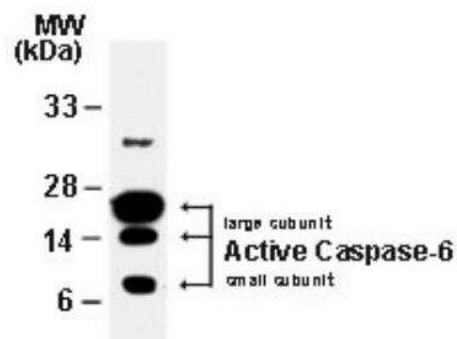
NB100-56114

Caspase-6 Antibody - BSA Free

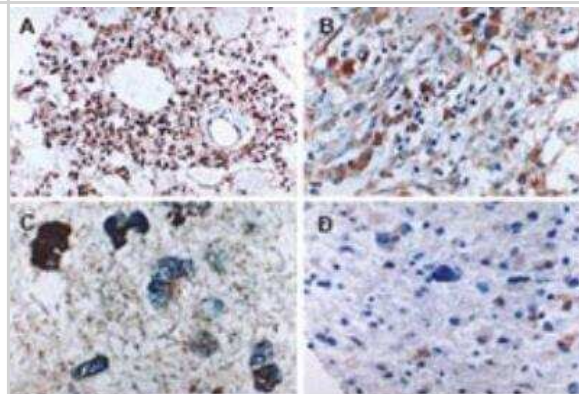
Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera
Product Description	
Description	Novus Biologicals Rabbit Caspase-6 Antibody - BSA Free (NB100-56114) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Caspase-6 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	839
Gene Symbol	CASP6
Species	Human, Mouse, Rat, Canine
Reactivity Notes	Cross reacts with Dog, Gerbil, Human, Mouse and Rat. Not yet tested in other species.
Specificity/Sensitivity	This polyclonal antisera recognizes the large and small subunits of active/cleaved caspase-6. Whereas the antisera has a strong preference for active/cleaved caspase-6, in some cell or tissue systems or techniques the antisera may also recognize the ~34 kDa proform of caspase-6 as well as intermediate caspase-6 cleavage fragments.
Immunogen	Recombinant catalytically active human Caspase-6 protein was used as immunogen.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunoprecipitation 1:50-1:200, Immunohistochemistry-Paraffin 1:1000-1:5000, Immunohistochemistry-Frozen
Application Notes	Immunohistochemistry (frozen): Users should optimize according to model and immunodetection system used (secondary reagents).

Images

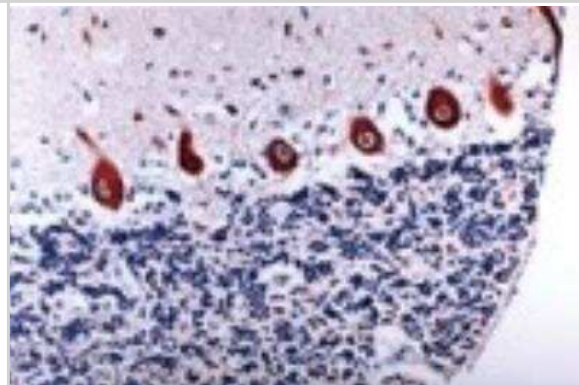
Western Blot: Caspase-6 Antibody [NB100-56114] - Analysis of Caspase-6 using this antibody. Recombinant catalytically active Caspase-6 was western blotted with Active/Cleaved Caspase-6 antibody. The antibody detected both the large and small subunits of Caspase-6.



Immunohistochemistry-Paraffin: Caspase-6 Antibody [NB100-56114] - Formalin-fixed paraffin-embedded tissue sections of human gliomas stained for Active/Cleaved Caspase-6 expression using Caspase-6 antibody at 1:2000. Gemistocytoma (low grade tumor) at A) low and B) high magnification. Two examples of anaplastic, high grade (III) infiltrating gliomas (C and D). Increased active/cleaved Caspase-6 may be seen in high grade, compared to low grade tumors. Hematoxylin-eosin counterstain.



Immunohistochemistry: Caspase-6 Antibody [NB100-56114] - Formalin-fixed paraffin-embedded tissue section of dog cerebellum stained for Caspase-6 expression at 1:2000. Hematoxylin-eosin counterstain.



Publications

Spurlock M, An W, Reshetnikova G et al. Inflammasome-Dependent Dysfunction and Death of Retinal Ganglion Cells after Repetitive Intraocular Pressure Spikes preprints.org 2023-09-29 [PMID: 37998361]

Berta T, Park CK, Xu ZZ et al. Extracellular caspase-6 drives murine inflammatory pain via microglial TNF-alpha secretion. J. Clin. Invest. 2014-03-03 [PMID: 24531553] (WB, Mouse)

Details:

WB (mouse spinal cord tissue, cerebral fluid and recombinant Caspase-6), Figs 2C-F, S1. The Caspase-6 pAb was used at 1:2000. The specificity of the antibody was validated with recombinant caspase-6 by WB (Fig 2E). Pro-caspase-6 was detected at ~37kDa, an

Saggar JK, Tannock IF. Activity of the hypoxia-activated pro-drug TH-302 in hypoxic and perivascular regions of solid tumors and its potential to enhance therapeutic effects of chemotherapy. Int J Cancer. 2013-11-08 [PMID: 24338277] (IHC-Fr, ICC/IF, Human)

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] (IHC-P, WB, Rat, Canine, 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)

Saggar JK, Fung AS, Patel KJ, Tannock IF et al. Use of molecular biomarkers to quantify the spatial distribution of effects of anticancer drugs in solid tumors. Mol Cancer Ther 2013-04-01 [PMID: 23348047] (ICC/IF, IF/IHC, Human)



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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

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