

Product Datasheet

Caspase-7 Antibody (Mch3 1-1-11) NB500-206

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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NB500-206**Caspase-7 Antibody (Mch3 1-1-11)**

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	Mch3 1-1-11
Preservative	0.1% Sodium Azide
Isotype	IgG1 Kappa
Purity	Unpurified
Buffer	Ascites
Target Molecular Weight	35 kDa

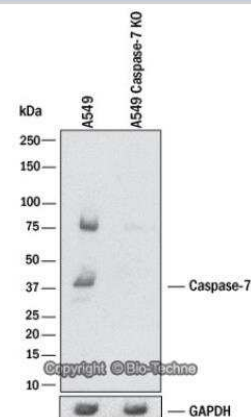
Product Description	
Host	Mouse
Gene Symbol	CASP7
Species	Human, Mouse, Rat
Immunogen	Full-length recombinant human Caspase 7 [UniProt# P55210]

Product Application Details	
Applications	Western Blot, Simple Western, Knockdown Validated
Recommended Dilutions	Western Blot 1:500-1:1000, Simple Western 1:500, Knockdown Validated
Application Notes	<p>This Caspase 7 (Mch3 1-1-11) antibody is useful for Western blot, where a band can be seen at approx. 35 kDa.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.</p>

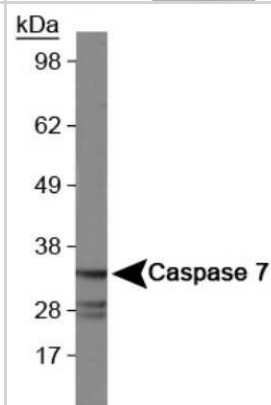


Images

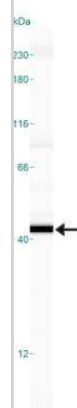
Knockdown Validated: Caspase-7 Antibody (Mch3 1-1-11) [NB500-206] - Western blot shows lysates of A549 human lung epithelial parental cell line and Caspase-7 knockout (KO) A549 cell line. PVDF membrane was probed with 1:500 of Mouse Anti-Human Caspase-7 Monoclonal Antibody (Catalog # NB500-106) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog #HAF018). Specific band was detected for Caspase-7 at approximately 40 kDa (as indicated) in the parental A549 cell line, but is not detectable in the knockout A549 cell line. This experiment was conducted under reducing conditions.



Western Blot: Caspase-7 Antibody (Mch3 1-1-11) [NB500-206] - HeLa whole cell lysate.



Simple Western: Caspase-7 Antibody (Mch3 1-1-11) [NB500-206] - Simple Western lane view shows a specific band for Caspase 7 in 0.5 mg/ml of HeLa lysate. This experiment was performed under reducing A246 conditions using the 12-230 kDa separation system.



Publications

Badr DM, Hafez HF, Agha AM, Shouman SA. The Combination of alpha-Tocopheryl Succinate and Sodium Selenite on Breast Cancer: A Merit or a Demerit. *Oxid Med Cell Longev*. 2016-04-29 [PMID: 27127548] (WB, Human)

Blanc-Brude OP et al. Therapeutic targeting of the survivin pathway in cancer: initiation of mitochondrial apoptosis and suppression of tumor-associated angiogenesis. *Clin Cancer Res*;9(7):2683-92. 2003-07-01 [PMID: 12855648]

Procedures

Protocol specific for Caspase 7 Antibody (NB500-206)

Caspase-7 Antibody (Mch3 1-1-11):

Procedure Guide for NB 500-206 Monoclonal anti-Caspase 7

Western Protocol

- 1) Prepare samples for a NuPAGE gel and heat them at 70 degree Celsius for 10 minutes.
- 2) Run a 4-12% NuPAGE Bis-Tris gel, loading 50-100 mg of whole cell extract per lane, for 45 minutes at 200 Volts.
- 3) Soak transfer sponges and gel 15 minutes and nitrocellulose membrane 5 minutes prior to transfer.
- 4) Transfer the proteins to the nitrocellulose membrane for 1 hour at 30 Volts, in 4 degrees C transfer buffer.
- 5) Block the membrane in TBST + 5% non-fat dry milk, for 1 hour at room temperature (RT), shaking gently.
- 6) Rinse the membrane twice with TBST.
- 7) Incubate the membrane in anti-Caspase 7 [NB 500-206], diluted 1:500-1:1,000 in TBS + 1% BSA, for 90 minutes at RT.
- 8) Wash the membrane once for 15 minutes, then 3 times 5 minutes, in TBST at RT.
- 9) Incubate the membrane in anti-mouse conjugated to HRP (secondary antibody), diluted in TBS + 1% BSA for 35 minutes at RT.
- 10) Wash the membrane once for 15 minutes, then 3 times 5 minutes, in TBST at RT.
- 11) Develop membrane in chemiluminescent reagents, as instructed by kit-vendor.

*Positive control(s): HeLa whole cell extracts (cat# NB 800-PC1)

Jurkat whole cell extracts (cat# NB 800-PC2)





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Products Related to NB500-206

NB800-PC1	HeLa Whole Cell Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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