

Product Datasheet

CHAF1A Antibody (SS 1 1-13) - BSA Free NB500-207

Unit Size: 0.2 ml

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

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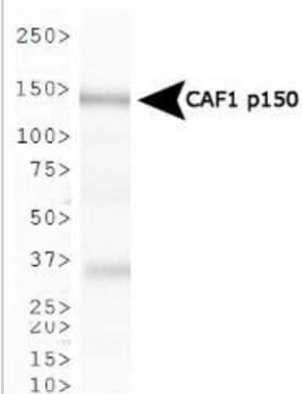
NB500-207

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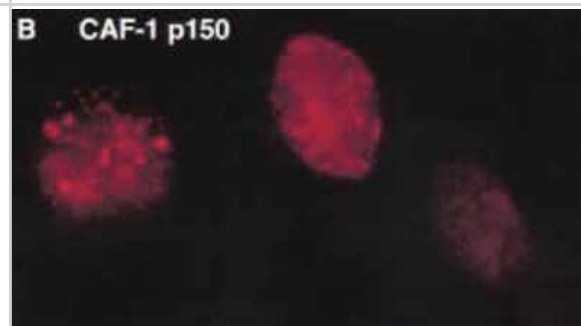
Product Information	
Unit Size	0.2 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SS 1 1-13
Preservative	0.1% Sodium Azide
Isotype	IgG1
Purity	Unpurified
Buffer	Ascites
Target Molecular Weight	150 kDa
Product Description	
Description	Novus Biologicals Mouse CHAF1A Antibody (SS 1 1-13) - BSA Free (NB500-207) is a monoclonal antibody validated for use in WB, ICC/IF and IP. Anti-CHAF1A Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	10036
Gene Symbol	CHAF1A
Species	Human
Immunogen	Recombinant human CHAF1A [UniProt# Q13111]
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:1000, Immunocytochemistry/ Immunofluorescence 1:10-1:2000, Immunoprecipitation 1:10-1:500
Application Notes	This CHAF1A (SS 1 1-13) antibody is useful for Immunocytochemistry/Immunofluorescence, Immunoprecipitation and Western Blot, where a band at 150 kDa is seen. 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.

Images

Western Blot: CHAF1A Antibody (SS 1 1-13) [NB500-207] - Analysis of CAF1 p150 expression in Ntera2 whole cell lysate using NB500-207.



Immunocytochemistry/Immunofluorescence: CHAF1A Antibody (SS 1 1-13) [NB500-207] - Immunofluorescent staining of CAF-1-p150 in HeLa cells (Shibahara et al 1999).



Publications

- Dreyer J, Ricci G, van den Berg J et Al. Acute multi-level response to defective de novo chromatin assembly in S-phase Mol Cell 2024-11-05 [PMID: 39536749]
- Robert Siddaway, Scott Milos, Étienne Coyaud, Hwa Young Yun, Shahir M. Morcos, Sanja Pajovic, Eric I. Campos, Brian Raught, Cynthia Hawkins The in vivo Interaction Landscape of Histones H3.1 and H3.3 Molecular & Cellular Proteomics : MCP 2022-09-09 [PMID: 36089195]
- Yun HYH Molecular Characterization of Oncogenic H3. 3 K27M and G34R Histone Mutants Thesis 2021-01-01
- Cohen C, Corpet A, Maroui MA et al. Promyelocytic Leukemia (PML) Nuclear Bodies (NBs) Induce Latent/Quiescent HSV-1 Genomes Chromatinization Through a PML-NB/Histone H3.3/H3.3 Chaperone Axis. bioRxiv [PMID: 30235352] (ICC/IF, Human)
- Rivera C, Saavedra F, Alvarez F et al. Methylation of histone H3 lysine 9 occurs during translation. Nucleic Acids Res. 2015-09-24 [PMID: 26405197] (WB, Human)
- Mocquet V, Laine JP, Riedl T et al. Sequential recruitment of the repair factors during NER: the role of XPG in initiating the resynthesis step. EMBO J 2008-01-09 [PMID: 18079701] (Human)
- Galvani, A et al. In vivo study of the nucleosome assembly functions of ASF1 histone chaperones in human cells. Mol Cell Biol;28(11):3672-85. 2008-06-01 [PMID: 18378699]
- Jiao, R et al. Physical and functional interaction between the Bloom's syndrome gene product and the largest subunit of chromatin assembly factor 1. Mol Cell Biol;24(11):4710-9. 2004-06-01 [PMID: 15143166]
- Naryzhny, S et al. Proliferating cell nuclear antigen (PCNA) may function as a double homotrimer complex in the mammalian cell. J Biol Chem;280(14):13888-94. 2005-04-08 [PMID: 15805117] (IP, Human)
- Green, CM, Almouzni, G. Local action of the chromatin assembly factor CAF-1 at sites of nucleotide excision repair in vivo. EMBO J;22(19):5163-74. 2003-10-01 [PMID: 14517254] (ICC/IF, Human)
- Ghosh JC et al. Hsp60 regulation of tumor cell apoptosis. J Biol Chem;283(8):5188-94. 2008-02-22 [PMID: 18086682]
- Shibahara, K, Stillman, B. Replication-dependent marking of DNA by PCNA facilitates CAF-1-coupled inheritance of chromatin. Cell;96(4):575-85. 1999-02-19 [PMID: 10052459] (ICC/IF, IP, Human)



Procedures

Serum protocol for CHAF1A Antibody (NB500-207)

CHAF1A Antibody (SS 1 1-13):

Procedure Guide for NB500-206 Monoclonal anti-Caspase 7

Western Protocol

- 1) Prepare samples for a NuPAGE gel and heat them at 70 degrees C 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 [NB500-206], 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# NB800-PC1)

Jurkat whole cell extracts (cat# NB800-PC2)





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Products Related to NB500-207

NBL1-09139	CHAF1A Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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