

# Product Datasheet

## CHAF1B Antibody (SS 53) - BSA Free NB500-212

Unit Size: 0.1 ml

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

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**NB500-212**

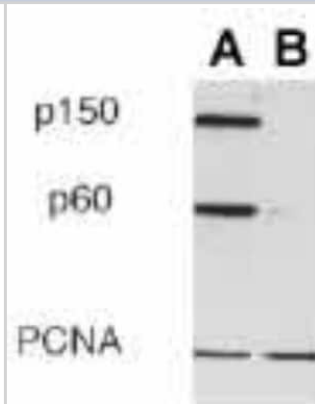
CHAF1B Antibody (SS 53) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	SS 53
<b>Preservative</b>	0.1% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Unpurified
<b>Buffer</b>	Ascites
<b>Target Molecular Weight</b>	60 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse CHAF1B Antibody (SS 53) - BSA Free (NB500-212) is a monoclonal antibody validated for use in WB, ICC/IF and IP. Anti-CHAF1B Antibody: Cited in 9 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	8208
<b>Gene Symbol</b>	CHAF1B
<b>Species</b>	Human
<b>Immunogen</b>	Recombinant human CHAF1B [UniProt# Q13112]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, Immunocytochemistry/ Immunofluorescence reported in scientific literature, Immunoprecipitation 1:10-1:500, Knockdown Validated
<b>Application Notes</b>	In WB a band can be seen at ~60 kDa. 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: CHAF1B Antibody (SS 53) [NB500-212] - A. RKO cells with CAF-1 p150, CAF-1 p60 and PCNA antibodies. B. p150 RNAi knockdown. Reference Pubmed 14519857.



## Publications

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]

Gonzalez-Rico Fj, Vicente-Garcia C, Fernandez A et Al. Alu retrotransposons modulate Nanog expression through dynamic changes in regional chromatin conformation via aryl hydrocarbon receptor Epigenetics Chromatin 2020-03-14 [PMID: 32169107]

Bakail M, Gaubert A, Andreani J et al. Design on a Rational Basis of High-Affinity Peptides Inhibiting the Histone Chaperone ASF1 Cell Chem Biol 2019-09-18 [PMID: 31543461]

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)

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] (IP, WB, Human)

Elsaesser, SJ, Allis, CD. HIRA and Daxx Constitute Two Independent Histone H3.3-Containing Predisposition Complexes. Cold Spring Harb Symp Quant Biol. 2010-11-03 [PMID: 21047901]

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)

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]

Smith, S, Stillman, B. Immunological characterization of chromatin assembly factor I, a human cell factor required for chromatin assembly during DNA replication in vitro. J Biol Chem;266(18):12041-7. 1991-06-25 [PMID: 2050697] (WB, IP, ICC/IF, Human)



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### Products Related to NB500-212

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NBL1-09140	CHAF1B 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)

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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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