

# Product Datasheet

## CHAF1B Antibody (SS 24 1-68) - BSA Free NB500-211

Unit Size: 0.05 ml

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

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**NB500-211**

CHAF1B Antibody (SS 24 1-68) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.05 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 24 1-68
<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

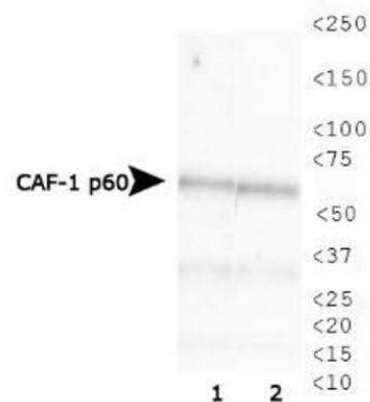
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse CHAF1B Antibody (SS 24 1-68) - BSA Free (NB500-211) is a monoclonal antibody validated for use in WB, ICC/IF and IP. Anti-CHAF1B Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	8208
<b>Gene Symbol</b>	CHAF1B
<b>Species</b>	Human, Mouse, Primate
<b>Immunogen</b>	Recombinant human CHAF1B [UniProt# Q13112]

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:10-1:2000, Immunoprecipitation 0.1-1 ug
<b>Application Notes</b>	This CHAF1B (SS 24 1-68) antibody is useful for Immunoprecipitation, Western blot and Immunocytochemistry/Immunofluorescence. 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.

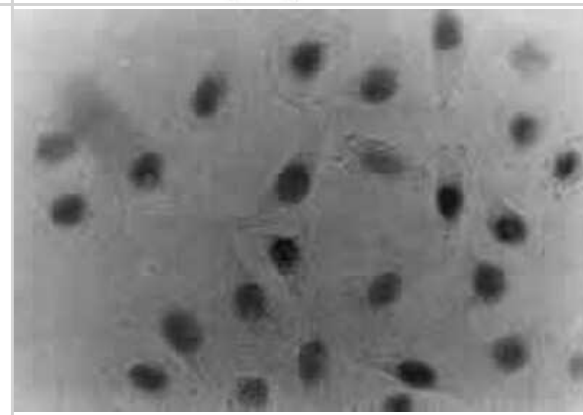


## Images

Western Blot: CHAF1B Antibody (SS 24 1-68) [NB500-211] - Analysis of CAF-1 p60 expression in 1) HeLa and 2) Cos7 whole cell lysates using NB500-211.



Immunocytochemistry/Immunofluorescence: CHAF1B Antibody (SS 24 1-68) [NB500-211] - Immunocytochemical staining of CAF-1 p60 in HeLa cells (Smith and Stillman 1991).



## Publications

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] (IP, Human)

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] (ICC/IF, IP, WB, Human)

## Procedures

### Immunoprecipitation protocol specific for CAF-1 p60 Antibody (NB500-211)

CHAF1B Antibody (SS 24 1-68):

Procedure Guide for Monoclonal anti- CAF-1 p60 (clone 24)

Catalog# NB 500-211

#### Immunoprecipitation Procedure

- 1) Cells were prepared in 0.4-1% NP-40 lysis buffer.
- 2) After osmotic shock and nuclear extractions of the cells, use the following buffer: 25mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, and 0.01% NP-40.
- 3) Clarify the extracts with two successive 5 minute clearing spins (in a microfuge).
- 4) Preclear the extracts with some protein G beads (~20 ul).
- 5) Incubate the extracts with ~ 0.1-1ug of anti-CAF-1p60-24 [NB 500-211]/ control antibody for 1-3 hours.
- 6) Spin the antibody/extract for 5 minutes.
- 7) Incubate the antibody/extract with protein G beads, rotating for 1-2 hours.
- 8) Wash the beads, twice, for 5 minutes, at low ionic strength [150mM NaCl] in 1ml volume (\*Optional: wash again, twice, at high ionic strength [ 400mM NaCl]).
- 9) Resuspend the washed beads in Laemlli sample buffer and boil for 5 minutes.

#### NOTE:

- a. All steps for IP are performed at 4C.
- b. CAF-1p60 is phosphorylated and contains a PEST sequence. Therefore, it is recommended that protease and phosphatase inhibitors be added to all buffers.
- c. The protocol for crosslinking CAF-1p60 to protein G beads was obtained from the Harlow and Lane book, Using Antibodies.





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### **Products Related to NB500-211**

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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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