

Product Datasheet

CHAF1A Antibody NB100-74608

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Publications: 3

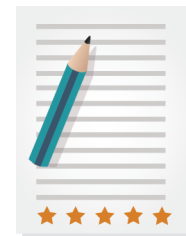
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NB100-74608

CHAF1A Antibody

Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

Product Description	
Description	Novus Biologicals Rabbit CHAF1A Antibody (NB100-74608) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-CHAF1A Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	10036
Gene Symbol	CHAF1A
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 100 and 150 of human chromatin assembly factor 1, subunit A (p150) using the numbering given in entry AAA76736.1 (GeneID 10036).

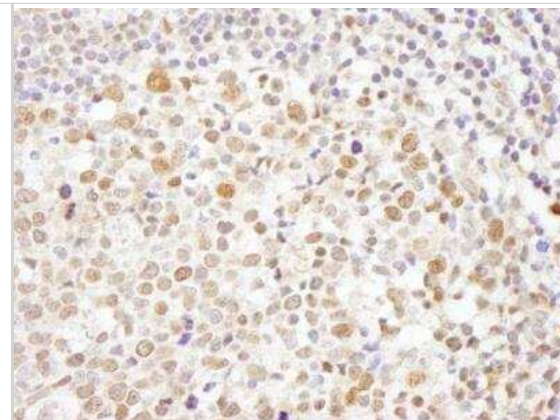
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:200 - 1:1000, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:200 - 1:1000
Application Notes	Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

Images

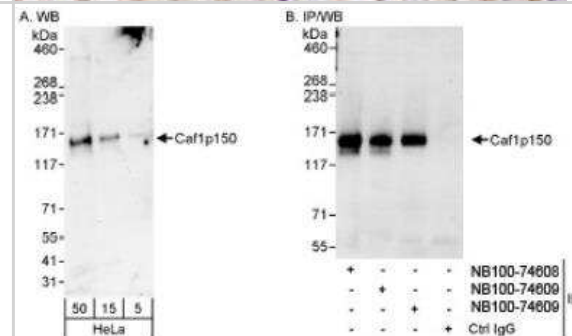
Western Blot: CHAF1A Antibody [NB100-74608] - RECQ5 promotes SUMO2 conjugation of PCNA. Western blot analysis of the indicated proteins in WCE prepared from control or RECQ5 siRNA knockdown HEK293T cells with exogenous overexpression of indicated FLAG-tagged PCNA constructs or CAF1 (CHAF1A) or treated with an empty vector (V). Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41467-018-05236-y>), licensed under a CC-BY license.



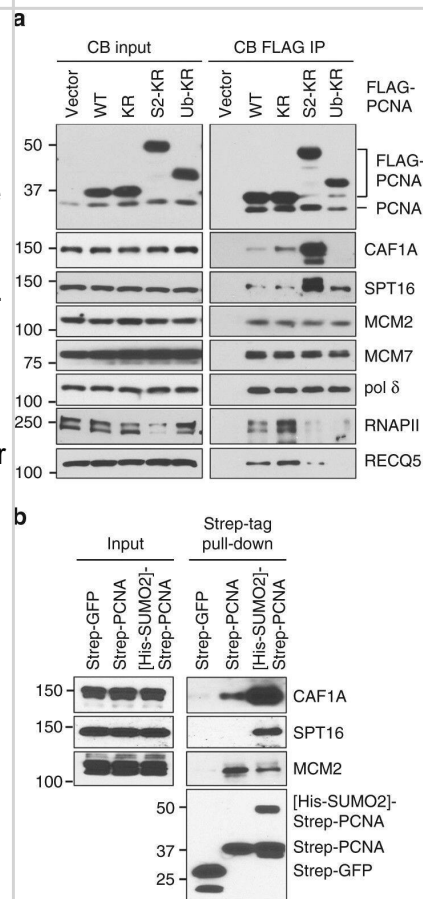
Immunohistochemistry-Paraffin: CHAF1A Antibody [NB100-74608] - Human colon carcinoma peyer's patch. Antibody used at a dilution of 1:200 (1ug/ml).



Western Blot: CHAF1A Antibody [NB100-74608] - Detection of Human Caf1p150 on HeLa whole cell lysate using NB100-74608. Caf1p150 was also immunoprecipitated by rabbit anti-Caf1p150 antibodies NB100-74609 and NB100-74610.



Western Blot: CHAF1A Antibody [NB100-74608] - SUMO2-PCNA enriches CAF1 & FACT within the replication complex. a Western blot analysis of the indicated proteins in the CB fractions (left) & the FLAG-PCNA complexes purified from CB fractions (right) prepared from cells expressing the indicated FLAG-tagged proteins. Ub-KR indicates the FLAG-ubiquitin-PCNA (KR) fusion protein. b Western blot analysis of the indicated proteins in the CB input (left panels) used for the in vitro pull-down experiments of purified recombinant strep-tagged PCNA, SUMO2-conjugated PCNA, & GFP anchored to Strep-Tactin resins (right panels). SUMO2-modified PCNA was generated by the in vitro SUMOylation reaction using strep-PCNA & His-SUMO2 shown in Supplementary Fig. 6a, b. c Western blot analysis of the input levels of recombinant strep-PCNA & strep-SUMO2-PCNA fusion (S2-PCNA) purified from *E. coli* (left panel) & of strep-PCNA & strep-S2-PCNA pulled down by WT or SIM mutant FLAG-CAF1A proteins purified & anchored on FLAG M2 agarose beads from HEK293T cells expressing the corresponding constructs (right panels). d Western blot analysis of strep-S2-PCNA (upper 2 panels) & strep-PCNA (lower 2 panels) pulled down by FLAG-CAF1A purified from *E. coli* & anchored on FLAG M2 agarose beads. e Western blot analysis of the indicated proteins in the CB input prepared from HEK293T cells expressing FLAG-SSRP1 WT or SIM mutant (left panels) & of FLAG-SSRP1 & SPT16 pulled down from the CB fractions in vitro using purified recombinant strep-tagged PCNA, S2-PCNA, & GFP anchored to Strep-Tactin resins (right panels) Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30006506>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Volk A, Liang K, Suraneni P et al. A CHAF1B-dependent molecular switch in hematopoiesis and leukemia pathogenesis. *Cancer cell*. 1905-07-10 [PMID: 30423293]

Gu L, Li M, Li CM et al. Small molecule targeting of transcription-replication conflict for selective chemotherapy *Cell chemical biology* 2023-07-26 [PMID: 37531956] (WB, Mouse)

Li M, Xu X, Chang CW et al. SUMO2 conjugation of PCNA facilitates chromatin remodeling to resolve transcription-replication conflicts. *Nat Commun*. 2018-07-13 [PMID: 30006506] (WB, Human)





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Products Related to NB100-74608

NBL1-09139	CHAF1A Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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