Product Datasheet

CHAF1A Antibody
NB100-74608

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Publications: 2

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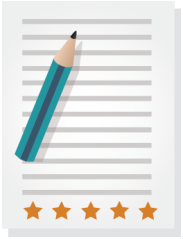
Updated 12/20/2023 v.20.1



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

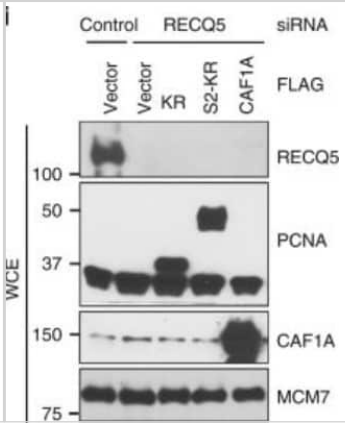
Host	Rabbit
Gene ID	10036
Gene Symbol	CHAF1A
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 100 and 150 of human chromatin assembly factor 1, subunit A (p150) using the numbering given in entry AAA76736.1 (GeneID 10036).

Product Application Details

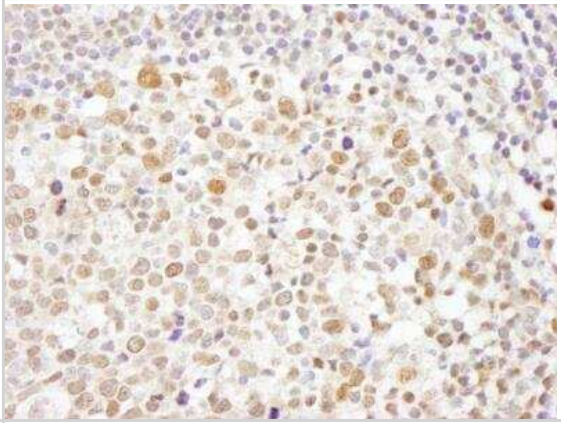
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:200 - 1:1000, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:200 - 1:1000
Application Notes	Epitope retrieval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

Images

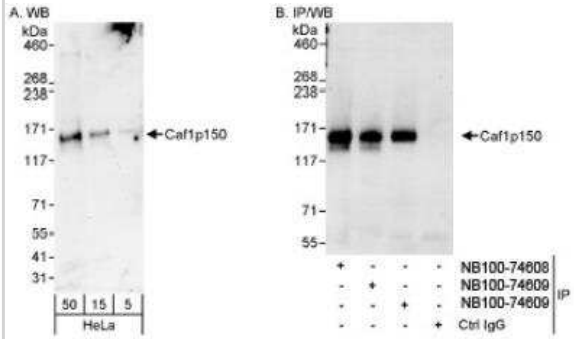
Western Blot: CHAF1A Antibody [NB100-74608] - RECQ5 promotes SUMO2 conjugation of PCNA. Western blot analysis of the indicated proteins in WCE prepared from control or RECQ5 siRNA knockdown HEK293T cells with exogenous overexpression of indicated FLAG-tagged PCNA constructs or CAF1 (CHAF1A) or treated 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.



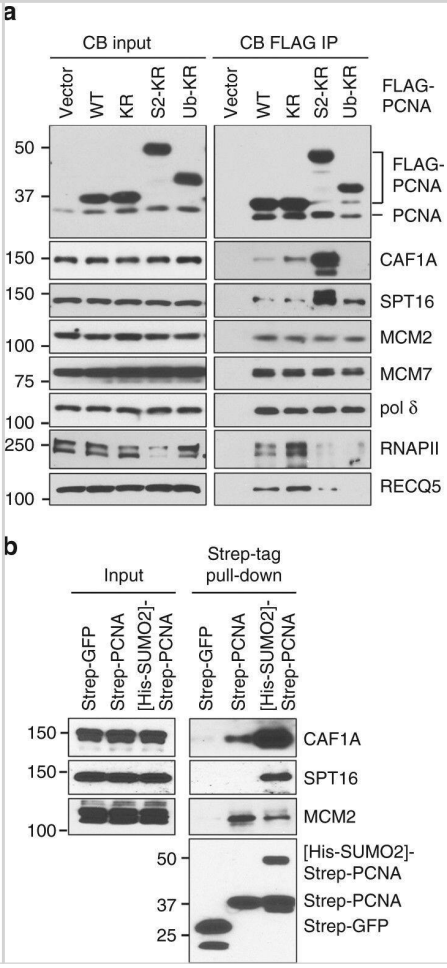
Immunohistochemistry-Paraffin: CHAF1A Antibody [NB100-74608] - Human colon carcinoma peyer's patch. Antibody used at a dilution of 1:200 (1ug/ml).



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.



BETd blocks 53BP1 function in senescent cells.a Early passage (control) or late passage (replicative senescence) TIG-3 cells were treated with 10 nM ARV825 (+) or vehicle (−) for 4 days. These cells were then subjected to western blotting using the antibodies shown on the right after immunoprecipitation with the antibodies shown at the top of the panel (IP:). b–f Early passage (control) or late passage (replicative senescence) TIG-3 cells were transfected with previously validated two different siRNA oligos against 53BP1 or control siRNA oligo twice at 2 days intervals. These cells were then subjected to RT-qPCR analysis (b), western blotting analysis (c), the cell proliferation analysis (d), immunofluorescence staining using the antibodies shown on the left (e) or neutral comet assay (f). Representative photographs of the cells in the indicated culture conditions are shown and the histogram shown at the bottom of the panel indicates the relative cell number (d). The number of γH2AX foci, above threshold intensity per nucleus (n = 50) was quantified and shown at the bottom of the e. The average tail olive moments were shown at the bottom of the f. Each box indicates the median and 25% and 75% quantiles, and the whiskers represent the minimum and maximum observations (e, f). For all graphs, error bars indicate mean ± s.d. (n = 3 for b, n = 4 for d) and the representative data from three independent experiments were shown. Statistical significance was determined with two-tailed unpaired Student's t-test (b), one-way ANOVA followed by Tukey multiple comparison test (d), one-way ANOVA followed by Holm-Sidak multiple comparison test (e, f). P values < 0.05 were considered significant. Source data are provided as a Source Data file. Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/32321921), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

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
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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