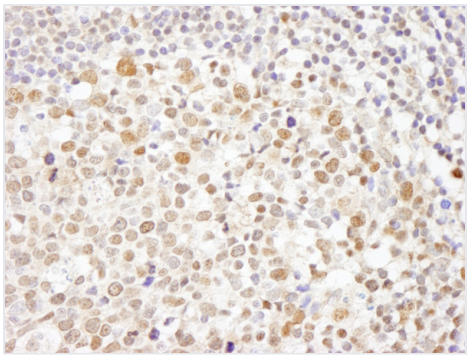
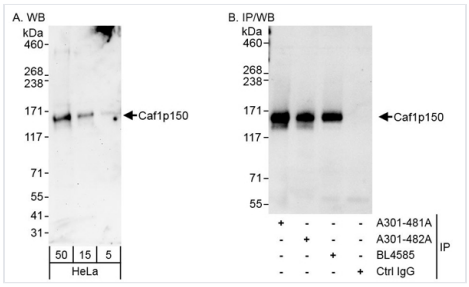
CAF1P150 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Caf1p150, Polyclonal Antibody
Full Product Name	Rabbit anti-Caf1p150 Antibody, Affinity Purified
Product Gene Name	anti-Caf1p150 antibody
Product Synonym Gene Name	CHAF1A
Product Synonym Names	CAF1B; chromatin assembly factor 1 subunit A; hp150; CTB-50L17.7; chromatin assembly factor I p150 subunit; chromatin assembly factor I (150 kDa); P150; CAF-I p150; CAF1P150; CAF-1 subunit A; CAF-1; CAF1; CAF-I 150 kDa subunit; Chromatin assembly factor 1 subunit A; chromatin assembly factor 1 subunit A
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	200ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
OMIM	601246
3D Structure	ModBase 3D Structure for Q13111
Immunogen	Between 100 and 150
Conjugation	Unconjugated
Product Categories/Family for anti-Caf1p150 antibody	Primary Antibodies
Applications Tested/Suitable for anti-Caf1p150 antibody	Western Blot (WB), Immunoprecipitation (IP), Immunohistochemistry (IHC)
Application Notes for anti-Caf1p150 antibody	WB: 1:2000-1:10,000 IP: 6ug/mg lysate IHC: 1:200-1:1000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
Related Product Information for anti-Caf1p150 antibody	Caf1p150 is one of three subunits that make up the chromatin assembly factor I (CAFI). The CAFI subunits include Caf1 (p150; CHAF1A), P50, and p60 (CHAF1B; MIM 601245). The CAFI complex plays an important role in histone octamer assembly during DNA replication. The p150 subunit has been shown to directly interact with histone H3 and H4 as well as the proliferating cell nuclear antigen (PCNA) and is critical to nucleosome assembly during DNA replication.
Other Notes	Small volumes of anti-Caf1p150 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Caf1p150 purchase	MBS3901970 is an antibody targeting Caf1p150. Also known as Rabbit anti-Caf1p150 Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-Caf1p150 antibody
Detection of human Caf1p150 by immunohistochemistry. Sample: FFPE section of human colon carcinoma peyer's patch. Antibody: Affinity purified rabbit anti-Caf1p150 (Cat. No. MBS3901970) used at a dilution of 1:200 (1ug/ml). Detection: DAB



Western Blot (WB) of anti-Caf1p150 antibody
Detection of human Caf1p150 by western blot and immunoprecipitation. Samples: Whole cell lysate (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-Caf1p150 antibody MBS3901970 used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. Caf1p150 was also immunoprecipitated by rabbit anti-Caf1p150 antibodies MBS3901971 and BL4585, which recognize downstream epitopes. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 10 seconds (B).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Caf1p150. It may not necessarily be applicable to this product.

NCBI GeneID	10036
NCBI Accession #	AAA76736.1
UniProt Primary Accession #	Q13111
UniProt Protein Name	Chromatin assembly factor 1 subunit A
UniProt Synonym Protein Names	Chromatin assembly factor I p150 subunit
UniProt Gene Name	CHAF1A
UniProt Synonym Gene Names	CAF; CAF1P150; CAF-1 subunit A; CAF-I 150 kDa subunit; CAF-I p150; hp150
UniProt Entry Name	CAF1A_HUMAN

UniProt Comments for Caf1p150	CAF-1A: Core component of the CAF-1 complex, a complex thought to mediate chromatin assembly in DNA replication and DNA repair. Assembles histone octamers onto replicating DNA in vitro. CAF-1 performs the first step of the nucleosome assembly process, bringing newly synthesized histones H3 and H4 to replicating DNA; histones H2A/H2B can bind to this chromatin precursor subsequent to DNA replication to complete the histone octamer. CHAF1A binds to histones H3 and H4. It may play a role in heterochromatin maintenance in proliferating cells by bringing newly synthesized cbx proteins to heterochromatic DNA replication foci. The CCR4-NOT complex functions as general transcription regulation complex. Also involved in vitamin D- coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR- mediated transrepression of the CYP27B1 gene. Homodimer. Part of the CAF-1 complex that contains RBBP4, CHAF1B and CHAF1A. CHAF1A binds directly to CHAF1B. Only minor amounts of RBBP4 are complexed with CHAF1A and CHAF1B in G1 phase. Part of the CCR4-NOT core complex that contains CHAF1A, CHAF1B, CNOT1, CNOT2, CNOT3, CNOT4, CNOT6 and CNOT8. CHAF1A binds directly to PCNA and to CBX1. Binds MBD1. Interacts directly with CBX5 via the PxVxL motif. During DNA replication, it forms a S phase- specific complex that facilitates DNA methylation and histone H3 'Lys-9' methylation during replication-coupled chromatin assembly and is at least composed of the CHAF1A, MBD1 and SETDB1. Component of the WINAC complex, at least composed of SMARCA2, SMARCA4, SMARCB1, SMARCC1, SMARCC2, SMARCD1, SMARCE1, ACTL6A, BAZ1B/WSTF, ARID1A, SUPT16H, CHAF1A and TOP2B. Interacts with CBX5. Belongs to the CHAF1A family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: DNA replication Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: protein complex; nuclear chromatin Molecular Function: identical protein binding; protein binding; unfolded protein binding; chromatin binding Biological Process: regulation of transcription, DNA-dependent; transcription, DNA-dependent; chromatin assembly; protein complex assembly; cell cycle; DNA repair; DNA replication; DNA replication-dependent nucleosome assembly
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/caf1p150/3901970