

[Go to Product page](#)

Datasheet for ABIN1386113 **anti-CHAF1A antibody**

Overview

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| Quantity: | 100 µL |
| Target: | CHAF1A |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CHAF1A antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human p150 CAF1 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Purified by Protein A. |

Target Details

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|-------------------|---|
| Target: | CHAF1A |
| Alternative Name: | p150 CAF1 (CHAF1A Products) |
| Background: | Synonyms: CAF-1 p150, CAF 1 150 kDa subunit, CAF 1, CAF 1 subunit A, CAF, CAF I 150 kDa subunit, CAF I p150, CAF Ip150, CAF-1 subunit A, CAF-I 150 kDa subunit, CAF-I p150, CAF1 150 kDa subunit, CAF1, CAF1 p150 Subunit, CAF1 subunit A, CAF1A, CAF1A, CAF1A_HUMAN, |

Target Details

CAF1B, CAF1P150, CAF1P155, CAF1P155, CHAF1A, Chromatin assembly factor 1 subunit A, Chromatin Assembly Factor 1 Subunit A p150, Chromatin assembly factor I 150 kDa, Chromatin assembly factor I 150 kDa, Chromatin Assembly Factor I, Chromatin assembly factor I p150 subunit, DCAF1, hp150, Nucleosome Remodeling Factor 150 kDa Subunit, NURF150, P150.

Background: 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 (By similarity). 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.

Gene ID: 10036

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Handling

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|------------------|---|
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |