

# KD-Validated Anti-p150 CAF1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody Catalog # AGI1142

#### **Specification**

## KD-Validated Anti-p150 CAF1 Rabbit Monoclonal Antibody - Product Information

Application WB, FC, ICC
Primary Accession Q13111
Reactivity Human
Clonality Monoclonal
Isotype Rabbit IgG

Calculated MW Predicted , 107 kDa , observed , 150 kDa

KDa

Gene Name CHAF1A

Aliases CAF1P150; CAF1B; CAF-1; CAF1; P150;

Chromatin Assembly Factor I P150 Subunit; Chromatin Assembly Factor I (150 KDa); CAF-I 150 KDa Subunit; CAF-1 Subunit A; CAF-I P150; MGC71229; Hp150; Chromatin Assembly Factor 1, Subunit A (P150);

CTB-50L17.7; CAF

Immunogen A synthesized peptide derived from human

p150 CAF1

## KD-Validated Anti-p150 CAF1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 10036

**Other Names** 

Chromatin assembly factor 1 subunit A, CAF-1 subunit A, Chromatin assembly factor I p150 subunit, CAF-I 150 kDa subunit, CAF-I p150, hp150, CHAF1A (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=1910" target="blank">HGNC:1910</a>), CAF, CAF1P150

## KD-Validated Anti-p150 CAF1 Rabbit Monoclonal Antibody - Protein Information

Name CHAF1A (HGNC:1910)

Synonyms CAF, CAF1P150

#### **Function**

Acts as a component of the histone chaperone complex chromatin assembly factor 1 (CAF-1), which assembles histone octamers onto DNA during replication and repair. 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. It may play a role in heterochromatin maintenance in proliferating cells by bringing newly synthesized cbx proteins to heterochromatic DNA replication foci.



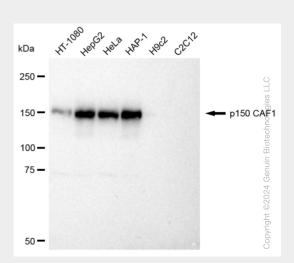
**Cellular Location**Nucleus. Note=DNA replication foci

## KD-Validated Anti-p150 CAF1 Rabbit Monoclonal Antibody - Protocols

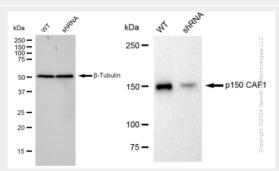
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## KD-Validated Anti-p150 CAF1 Rabbit Monoclonal Antibody - Images

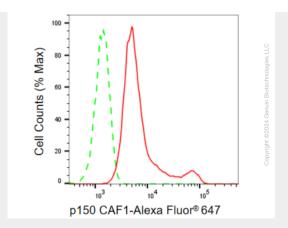


Western blotting analysis using anti-p150 CAF1 antibody (Cat#AGI1142). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-p150 CAF1 antibody (Cat#AGI1142, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

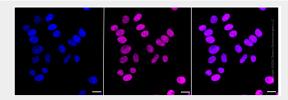


Western blotting analysis using anti-p150 CAF1 antibody (Cat#AGI1142). p150 CAF1 expression in wild type (WT) and p150 CAF1 shRNA knockdown (KD) HeLa cells with 30  $\mu$ g of total cell lysates.  $\beta$ -Tubulin serves as a loading control. The blot was incubated with anti-p150 CAF1 antibody (Cat#AGI1142, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.





Flow cytometric analysis of p150 CAF1 expression in HepG2 cells using p150 CAF1 antibody (Cat#AGI1142, 1:2,000). Green, isotype control; red, p150 CAF1.



Immunocytochemical staining of HepG2 cells with p150 CAF1 antibody (Cat#AGI1142, 1:1,000). Nuclei were stained blue with DAPI; p150 CAF1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar:  $20~\mu m$ .