

Product Name: KD-Validated CHAF1B Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01547

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 61.5kDa

Antigen Information

Gene Name	CHAF1B CHAF1B; Chromatin Assembly Factor 1 Subunit B; MPHOSPH7; CAF1P60; CAF1A; MPP7; M-Phase Phosphoprotein 7; CAF-1; CAF1; Human Chromatin Assembly Factor-I P60 Subunit;
Alternative Names	Chromatin Assembly Factor I P60 Subunit; CAF-I 60 KDa Subunit; CAF-1 Subunit B; CAF-I P60; Chromatin Assembly Factor 1, Subunit B (P60); Chromatin Assembly Factor I, P60 Subunit; CAF-IP60
Gene ID	8208.0
SwissProt ID	Q13112
Immunogen	A synthesized peptide derived from human p60 CAF1

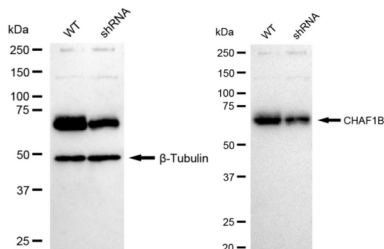
Background

Chromatin assembly factor I (CAF-I) is required for the assembly of histone octamers onto newly-replicated DNA. CAF-I is composed of three protein subunits, p50, p60, and p150. The protein encoded by this gene corresponds to the p60 subunit and is required for chromatin assembly after replication. The encoded protein is differentially phosphorylated in a cell cycle-dependent manner. In addition, it is normally found in the nucleus except during mitosis, when it is released into the cytoplasm. This protein is a member of the WD-repeat HIR1 family and may also be involved in DNA repair. [provided by RefSeq, Jul 2008]

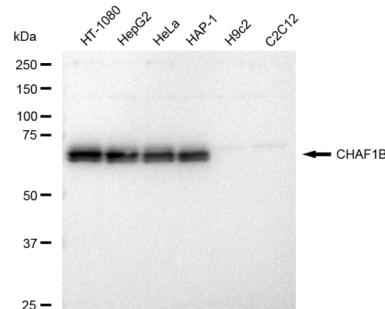
Research Area

Epigenetics and Nuclear Signaling

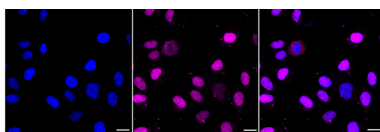
Image Data



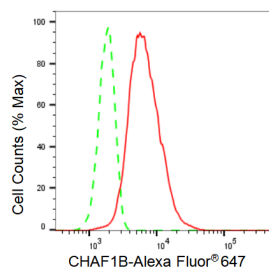
Western blotting analysis using CHAF1B antibody (KVA01547). CHAF1B expression in wild type (WT) and CHAF1B shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with CHAF1B antibody (KVA01547, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CHAF1B antibody (KVA01547). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CHAF1B antibody (KVA01547, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with CHAF1B antibody (KVA01547, 1:1,000). Nuclei were stained blue with DAPI; CHAF1B was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of CHAF1B expression in HT-1080 cells using CHAF1B antibody (KVA01547, 1:2,000). Green, isotype control; red, CHAF1B.