

Product Name: KD-Validated PCAF Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00549**

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: 93.0kDa

Antigen Information

Gene Name	KAT2B
Alternative Names	Lysine Acetyltransferase 2B; P/CAF; P300/CBP-Associated Factor; PCAF; Spermidine Acetyltransferase KAT2B; Histone Acetyltransferase KAT2B; K(Lysine) Acetyltransferase 2B; Histone Acetyltransferase PCAF; Histone Acetylase PCAF; EC 2.3.1.48; GCN5L; GCN5; CREBBP-Associated Factor; EC 2.3.1.57; CAF
Gene ID	8850.0
SwissProt ID	Q92831
Immunogen	A synthesized peptide derived from human PCAF

Background

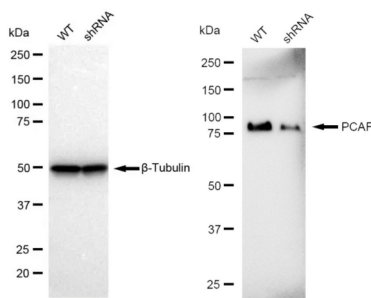
CBP and p300 are large nuclear proteins that bind to many sequence-specific factors involved in cell growth and/or

differentiation, including c-jun and the adenoviral oncoprotein E1A. The protein encoded by this gene associates with p300/CBP. It has in vitro and in vivo binding activity with CBP and p300, and competes with E1A for binding sites in p300/CBP. It has histone acetyl transferase activity with core histones and nucleosome core particles, indicating that this protein plays a direct role in transcriptional regulation. [provided by RefSeq, Jul 2008]

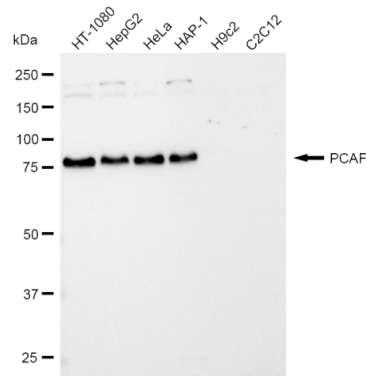
Research Area

Cell Biology, Epigenetics and Nuclear Signaling, Microbiology

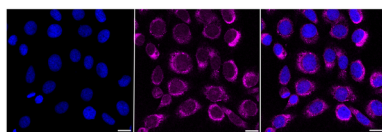
Image Data



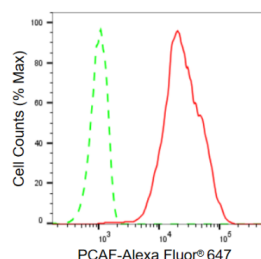
Western blotting analysis using PCAF antibody (KVA00549). PCAF expression in wild type (WT) and PCAF shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with PCAF antibody (KVA00549, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using PCAF antibody (KVA00549). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PCAF antibody (KVA00549, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with PCAF antibody (KVA00549, 1:1,000). Nuclei were stained blue with DAPI; PCAF 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 PCAF expression in HT-1080 cells using PCAF antibody (KVA00549, 1:2,000). Green, isotype control; red, PCAF.