Product Datasheet

PCAF Rabbit mAb

Catalog No: #49765

Package Size: #49765-1 50ul #49765-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

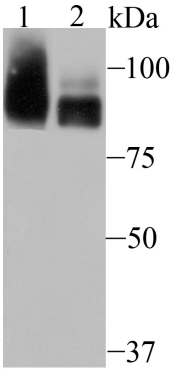
Description

Product Name	PCAF Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU88-63
Purification	ProA affinity purified
Applications	WB,IP,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	CAF antibody CREBBP associated factor antibody GCN5 antibody GCN5L antibody GCN5L1 antibody Histone acetylase PCAF antibody Histone acetyltransferase KAT2B antibody Histone acetyltransferase PCAF antibody K(lysine) acetyltransferase 2B antibody KAT2B antibody KAT2B_HUMAN antibody Lysine acetyltransferase 2B antibody P antibody P/CAF antibody p300/CBP associated factor antibody P300/CBP-associated factor antibody Pcaf antibody
Accession No.	Swiss-Prot#:Q92831
Uniprot	Q92831
GeneID	8850;
Calculated MW	93 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

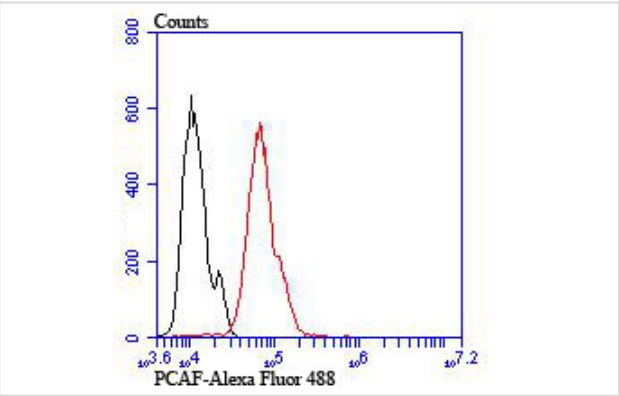
Application Details

WB: 1:500-1:2,000 IP: 1:10-1:50FC: 1:50-1:100

Images



Western blot analysis of PCAF on rat kidney tissue (1) and K562 cell (2) lysate using anti-PCAF antibody at 1/500 dilution.



Flow cytometric analysis of Hela cells with PCAF antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

In the intact cell, DNA closely associates with histones and other nuclear proteins to form chromatin. The remodeling of chromatin is believed to be a critical component of transcriptional regulation and a major source of this remodeling is brought about by the acetylation of nucleosomal histones. Acetylation of lysine residues in the amino terminal tail domain of histone results in an allosteric change in the nucleosomal conformation and an increased accessiblity to transcription factors by DNA. Conversely, the deacetylation of histones is associated with transcriptional silencing. Several mammalian proteins have been identified as nuclear histone acetylases, including GCN5, PCAF (for p300/CBP-associated factor), p300/CBP and the TFIID subunit TAF II p250. Mammalian HDAC1 (also designated HD1) and HDAC2 (also designated mammalian RPD3), both of which are related to the yeast transcriptional regulator Rpd3p, have been identified as histone deacetylases.

References

Note: This product is for in vitro research use only