

PCAF polyclonal antibody

Catalog: BS91033

Host: Rabbit

Reactivity: Human, Mouse, Rat

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 accessibility 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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

93 kDa

Swiss-Prot:

Q92831(Human) Q568Z2(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

FC:1:50-1:100

IP:1:10-1:50

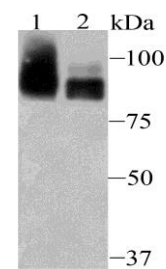
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

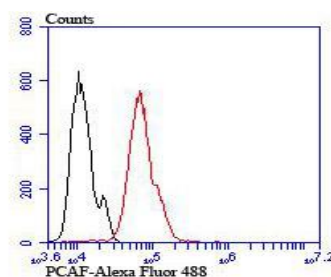
Specificity:

PCAF polyclonal antibody detects endogenous levels of PCAF protein.

DATA:



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.

Note:

For research use only, not for use in diagnostic procedure.

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