

Recombinant PCAF Monoclonal Antibody

catalog number: **AN301572L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human
Immunogen	Recombinant human PCAF fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C331195
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.
Applications	
WB	1:500-1:1000
IP	1:25-1:50



Western Blot with PCAF Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: A431, Lane 3: HFF-1

Observed-MW:93 kDa
Calculated-MW:93 kDa

Immunoprecipitation analysis using anti-PCAF Monoclonal Antibody. Western blot was performed from the immunoprecipitate using PCAF Monoclonal Antibody at a dilution of 1:50. Lane 1: 5% Input, Lane 2: PCAF Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:93 kDa
Calculated-MW:93 kDa

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Functions as a histone acetyltransferase (HAT) to promote transcriptional activation. Has significant histone acetyltransferase activity with core histones (H3 and H4), and also with nucleosome core particles. Also acetylates non-histone proteins, such as ACLY, PLK4, RRP9/U3-55K and TBX5. Inhibits cell-cycle progression and counteracts the mitogenic activity of the adenoviral oncoprotein E1A. Acts as a circadian transcriptional coactivator which enhances the activity of the circadian transcriptional activators: NPAS2-ARNTL/BMAL1 and CLOCK-ARNTL/BMAL1 heterodimers. Involved in heart and limb development by mediating acetylation of TBX5, acetylation regulating nucleocytoplasmic shuttling of TBX5. Acts as a negative regulator of centrosome amplification by mediating acetylation of PLK4. Acetylates RRP9/U3-55K, a core subunit of the U3 snoRNP complex, impairing pre-rRNA processing. Also acetylates spermidine. (Microbial infection) In case of HIV-1 infection, it is recruited by the viral protein Tat. Regulates Tat's transactivating activity and may help inducing chromatin remodeling of proviral genes.

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