

## PCNA

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF IP

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:50 IP 1:20 - 1:50

**Calculated MW:** 29/31kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human PCNA

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

PCNA;MGC8367 ;

**Catalog #:** AC017

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 5111

**Isotype:** IgG

**Swiss Prot:** P12004

**Purity:** Affinity purification

For research use only.

**Background:**

Proliferating cell nuclear antigen (PCNA) is a member of the DNA sliding clamp family of proteins that assist in DNA replication (1). Crystal structure data suggests that a PCNA homotrimer ring can encircle and slide along the DNA double helix (2). Multiple proteins involved in DNA replication, DNA repair, and cell cycle control bind to PCNA rather than directly associating with DNA, thus facilitating fast processing of DNA (reviewed in 3). PCNA protein expression is a well-accepted marker of proliferation and PCNA (PC10) Mouse mAb has been used to assess PCNA levels in hundreds of scientific studies.

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