

## Recombinant PCNA Monoclonal Antibody

catalog number: **AN300417P**

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

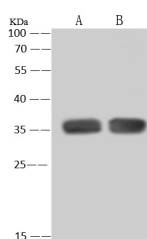
### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human PCNA Protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	3G1
<b>Purification</b>	Protein A
<b>Buffer</b>	0.2 µm filtered solution in PBS

### Applications Recommended Dilution

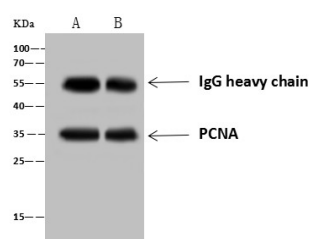
<b>WB</b>	1:500-1:2000
<b>IP</b>	1-5 µL/mg of lysate

### Data



Western Blot with PCNA rabbit polyclonal antibody at dilution of 1:500 dilution. Lane A: HepG2 Whole Cell Lysate, Lane B: MCF7 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

**Observed-MW:35 kDa**  
**Calculated-MW:29 kDa**



Immunoprecipitation analysis using 4 µL anti-PCNA Monoclonal Antibody and 60 µg of Immunomagnetic beads Protein A/G. Western blot was performed from the immunoprecipitate using PCNA Monoclonal Antibody at a dilution of 1:100. Lane A:0.5 mg HepG2 Whole Cell Lysate, Lane B:0.5 mg MCF7 Whole Cell Lysate

**Observed-MW:35 kDa**  
**Calculated-MW:29 kDa**

### Preparation & Storage

<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Shipping</b>	Ice bag

### Background

Proliferating cell nuclear antigen (PCNA) is a DNA clamp that acts as a processivity factor for DNA polymerase  $\delta$  in eukaryotic cells and is essential for replication. PCNA is a homotrimer and achieves its processivity by encircling the DNA, where it acts as a scaffold to recruit proteins involved in DNA replication, DNA repair, chromatin remodeling and epigenetics. PCNA gene is often stably and constitutively expressed in most tissues and cells, it is commonly used as a loading control for western blot and other test.

### For Research Use Only