

Recombinant PCNA Monoclonal Antibody

catalog number: **AN300417P**

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

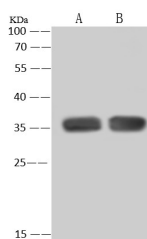
Description

Reactivity	Human
Immunogen	Recombinant Human PCNA Protein
Host	Rabbit
Isotype	IgG
Clone	B343
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

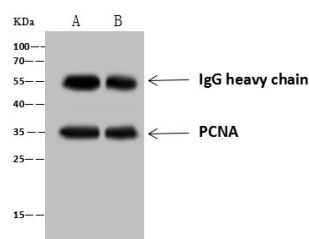
Applications	Recommended Dilution
WB	1:500-1:2000
IP	1-5 µL/mg of lysate

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

Storage	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.
Shipping	Ice bag

Background

Proliferating cell nuclear antigen (PCNA) is a DNA clamp that acts as a processivity factor for DNA polymerase δ 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.

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