



A Reliable Research Partner in Life Science and Medicine

# **PCNA Polyclonal Antibody**

catalog number: E-AB-40489

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

#### **Description**

Reactivity Human

Immunogen Synthetic peptide of Human Proliferating cell nuclear antigen

Host Rabbit Isotype IgG

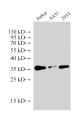
**Purification** Antigen Affinity Purification

**Buffer** PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

### Applications Recommended Dilution

WB 1:3000-1:7000

#### Data



Western Blot analysis of Jurkat, A431 and 293T cells using PCNA Polyclonal Antibody at dilution of 1:6000.

Observed-MW:35 kDa Calculated-MW:28 kDa

## **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping The product is shipped with ice pack, upon receipt, store it immediately at the

temperature recommended.

#### **Background**

Proliferating Cell Nuclear Antigen,commonly known as PCNA is a protein that acts as a processivity factor for DNA polymerase  $\delta$  in eukaryotic cells. This protein is an auxiliary protein of DNA polymerase delta and is involved in the control of eukaryotic DNA replication by increasing the polymerase's processibility during elongation of the leading strand. PCNA induces a robust stimulatory effect on the 3'-5' exonuclease and 3'-phosphodiesterase,but not apurinicapyrimidinic (AP) endonuclease,APEX2 activities. It has to be loaded onto DNA in order to be able to stimulate APEX2. PCNA protein is highly conserved during evolution; the deduced amino acid sequences of rat and human differ by only 4 of 261 amino acids. PCNA has been used as loading control for proliferating cells.

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 Rev. V2.2