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PCNA Polyclonal Antibody

Cat #: G-AB-12707

Host: Rabbit **Reactivity:** Human

Isotype: IgG **Clonality:** Polyclonal

Overview:
Proliferating Cell Nuclear Antigen,commonly known as PCNA,is a protein that acts as a processivity factor for DNA polymerase 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 apurinic-apyrimidinic (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.

Gene ID: 5111

Accession #:

Immunogen: Synthetic peptide of Human Proliferating cell nuclear antigen

Conjugation:

Swissprot: P12004

Calculated Molecular Weight: 28 kDa

Observed Molecular Weight: 35 kDa

Concentration: 1mg/mL

Buffer: PBS with 0.05% Proclin300, 50% glycerol, pH7.3.

Purification Method: Antigen Affinity Purification

Application: WB

Dilution: WB 1:3000-1:7000

Storage: Store at -20. Avoid freeze / thaw cycles.