

Product datasheet for **AM03183PU-N**

PCNA Mouse Monoclonal Antibody [Clone ID: k1A3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	k1A3
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot: 1/1,000~1/3,000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Recombinant human PCNA (1-261aa) purified from E. coli
Specificity:	This antibody detects PCNA / Cyclin.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	proliferating cell nuclear antigen
Database Link:	Entrez Gene 5111 Human P12004



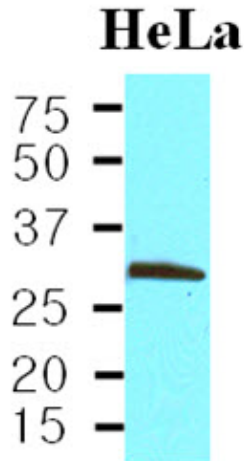
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Background:

PCNA (Proliferating Cell Nuclear Antigen) is found in the nucleus and is a cofactor of DNA polymerase delta. This protein is associated with DNA synthesis and repair. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. It appears during late G1- phase, S-phase of mitosis and persists until the end of the M-phase because of its long biological half-life. PCNA may be induced by UV irradiation, growth factors and eventually by neighboring tumors.

Synonyms:

Cyclin

Product images:

Western blot analysis: Cell lysates of HeLa (20 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human PCNA (1:2,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.