

Product datasheet for **AP32026PU-N**

PCNA (111-112) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Peptide ELISA: 1/128000 (Detection Limit). Western blot: 0.03-0.1 µg/ml. Approx 37kDa band observed in lysates of cell line HeLa and in rodent Brain lysates (calculated MW of 37.2kDa according to NP_001229793.1). Approx 35kDa band observed in Pig Brain lysates (calculated MW of 38.7kDa according to XP_005658963.1).
Reactivity:	Bovine, Canine, Human, Mouse, Porcine, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from the the internal region (111-122) of Human PCNA (NP_002583.1)
Specificity:	This antibody recognizes PCNA (111-122) .
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	28.8 kDa (NP_002583.1).
Gene Name:	proliferating cell nuclear antigen
Database Link:	<u>Entrez Gene 5111 Human P12004</u>



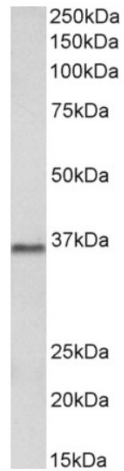
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Background:

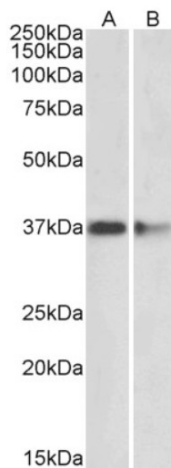
PCNA (Proliferating Cell Nuclear Antigen) is found in the nucleus and is a cofactor of DNA polymerase delta. This protein is associated with DNA synthesis and repair. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. It appears 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:

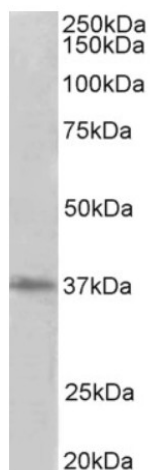
Cyclin

Product images:


Staining of Pig Brain lysate using PCNA Antibody at 2 ug/ml (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Staining of Mouse (A) and Rat (B) Brain lysates using PCNA Antibody at 2 ug/ml (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Staining of HeLa lysate using PCNA Antibody at 2 ug/ml (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.