

Product datasheet for **TA348967**

PCNA Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 0.01-0.03 ug/ml
Reactivity:	Human, Mouse, Rat, Pig (Expected from sequence similarity: Dog, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-PCNA Antibody: Peptide with sequence C-NGNIKLSQTSNVD, from the internal region of the protein sequence according to NP_002583.1.
Formulation:	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	proliferating cell nuclear antigen
Database Link:	NP_002583 Entrez Gene 18538 MouseEntrez Gene 25737 RatEntrez Gene 477166 DogEntrez Gene 5111 Human P12004



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Background:

The protein encoded by this gene is found in the nucleus and is a cofactor of DNA polymerase delta. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, this protein is ubiquitinated and is involved in the RAD6-dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for this gene. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome. [provided by RefSeq, Jul 2008]

Synonyms:

ATLD2

Note:

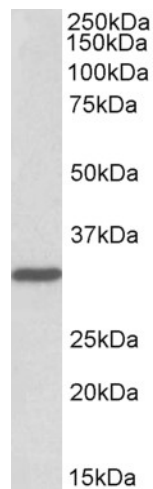
Reported variants represent identical protein: NP_872590.1, NP_002583.1

Protein Families:

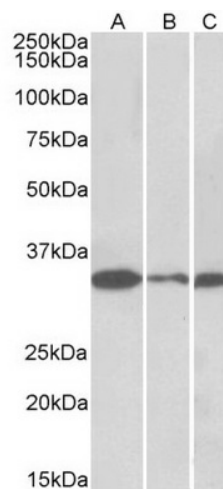
Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

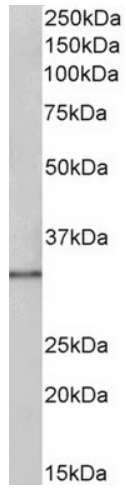
Base excision repair, Cell cycle, DNA replication, Mismatch repair, Nucleotide excision repair

Product images:


TA348967 (0.01 ug/ml) staining of HeLa lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



TA348967 (0.01 ug/ml) staining of NIH3T3 (A), Mouse Testis (B) and Rat Testis (C) lysates (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



TA348967 (0.03 ug/ml) staining of Pig Spleen lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.