

# PCNA Rabbit pAb

Catalog No.: A0264 **18 Publications**

## Basic Information

**Catalog No.**

A0264

**Observed MW**

34KDa

**Calculated MW**

28kDa

**Category**

Primary antibody

**Applications**

WB, IHC, IF, IP

**Cross-Reactivity**

Human, Mouse, Rat

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC</b>	1:50 - 1:200
<b>IF</b>	1:50 - 1:200
<b>IP</b>	1:50 - 1:200

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## 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.

## Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
5111	P12004

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 1-261 of human PCNA (NP\_002583.1).

**Synonyms**

PCNA;ATLD2

## Product Information

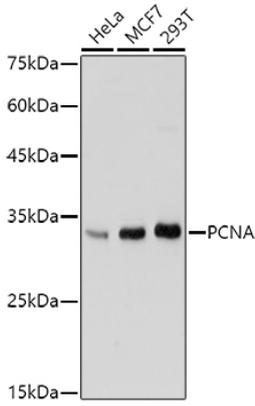
<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

**Storage**

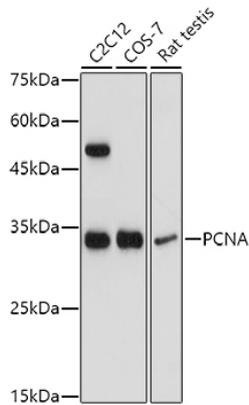
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

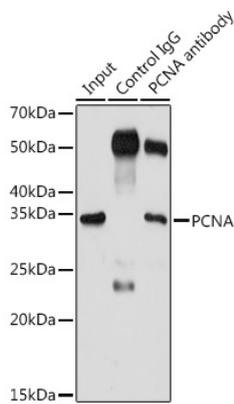
## Validation Data



Western blot analysis of extracts of various cell lines, using PCNA antibody (A0264) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.



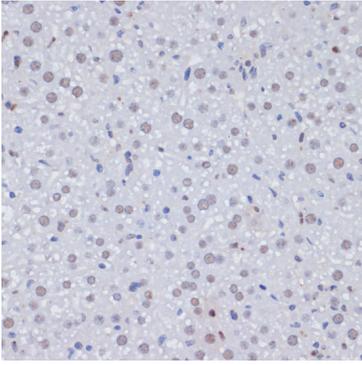
Western blot analysis of extracts of various cell lines, using PCNA antibody (A0264) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 3s.



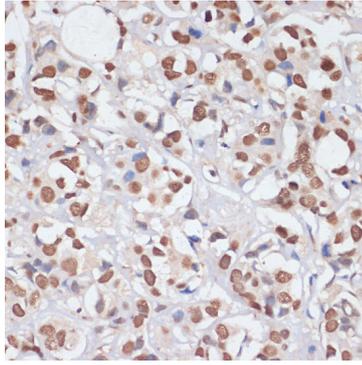
Immunoprecipitation analysis of 200ug extracts of HeLa cells using 3ug PCNA antibody (A0264).  
Western blot was performed from the immunoprecipitate using PCNA antibody (A0264) at a dilution of 1:1000.

## Validation Data

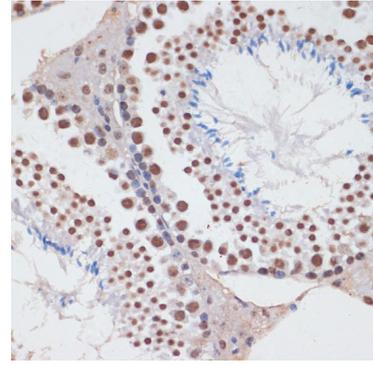
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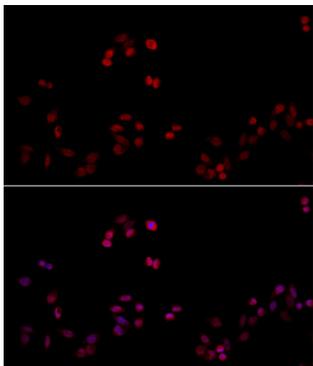
Immunohistochemistry of paraffin-embedded rat liver using PCNA antibody (A0264) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human breast cancer using PCNA antibody (A0264) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse testis using PCNA antibody (A0264) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using PCNA antibody (A0264) at dilution of 1:100. Blue: DAPI for nuclear staining.