

# PCNA Rabbit mAb

Catalog No.: A12427 **Recombinant** **38 Publications**

## Basic Information

### Observed MW

35kDa

### Calculated MW

29kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Human, Mouse, Rat, African green monkey

### CloneNo number

ARC51324

## 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.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IHC-P** 1:2000 - 1:10000

## Immunogen Information

### Gene ID

5111

### Swiss Prot

P12004

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 162-261 of human PCNA (NP\_002583.1).

### Synonyms

ATLD2; PCNA

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

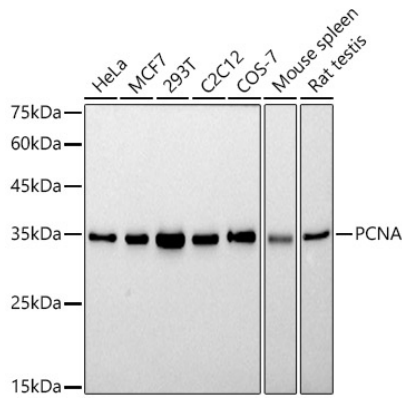
Affinity purification

### Storage

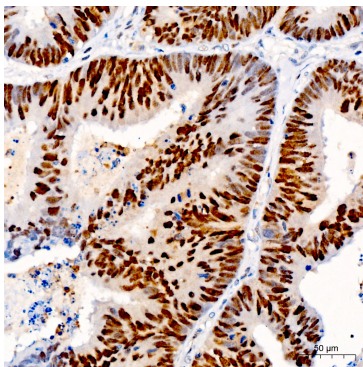
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

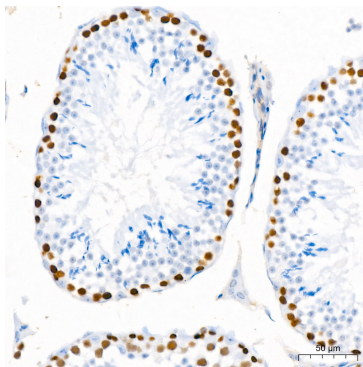
## Validation Data



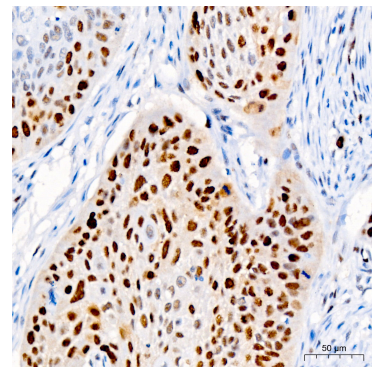
Western blot analysis of various lysates, using PCNA Rabbit mAb (A12427) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



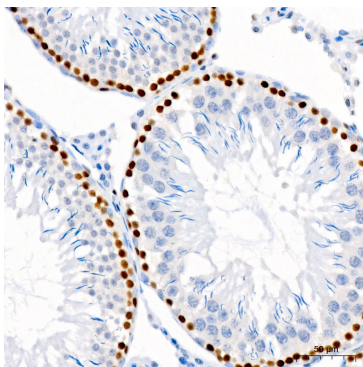
Immunohistochemistry analysis of PCNA in paraffin-embedded human colon carcinoma tissue using PCNA Rabbit mAb (A12427) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



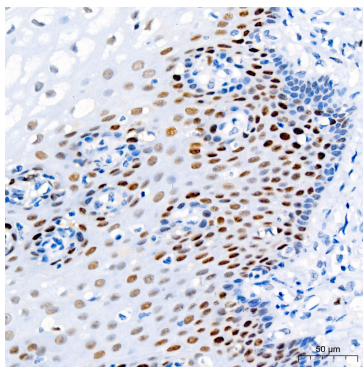
Immunohistochemistry analysis of PCNA in paraffin-embedded mouse testis tissue using PCNA Rabbit mAb (A12427) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



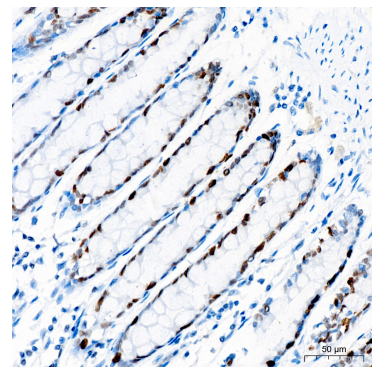
Immunohistochemistry analysis of PCNA in paraffin-embedded human esophageal cancer tissue using PCNA Rabbit mAb (A12427) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of PCNA in paraffin-embedded rat testis tissue using PCNA Rabbit mAb (A12427) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



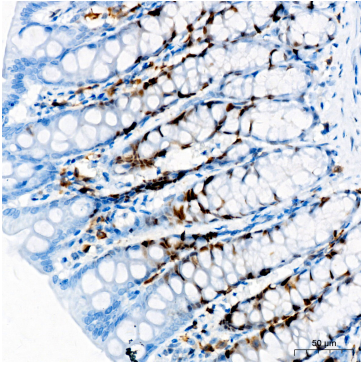
Immunohistochemistry analysis of PCNA in paraffin-embedded human esophagus tissue using PCNA Rabbit mAb (A12427) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



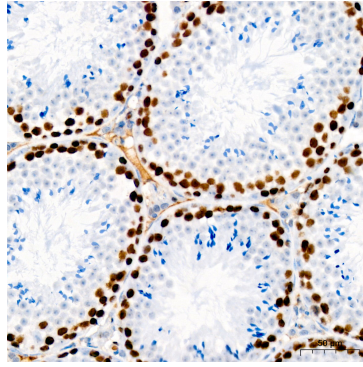
Immunohistochemistry analysis of PCNA in paraffin-embedded human colon tissue using PCNA Rabbit mAb (A12427) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

## Validation Data

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Immunohistochemistry analysis of PCNA in paraffin-embedded rat colon tissue using PCNA Rabbit mAb (A12427) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of PCNA in paraffin-embedded mouse testis tissue using PCNA Rabbit mAb (A12427) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.