

## PCNA Polyclonal Antibody

Catalog No. E-AB-60053

*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant fusion protein of human PCNA (NP_002583.1).
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

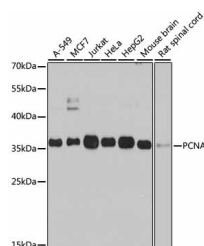
### Applications Recommended Dilution

WB 1:500-1:2000 IHC

1:50-1:200 IF

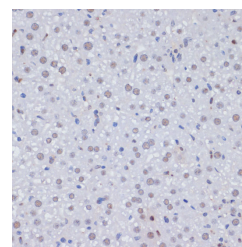
1:50-1:200

### Data

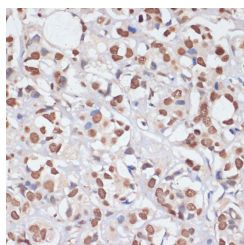


Western blot analysis of extracts of various cell lines using PCNA Polyclonal Antibody at dilution of 1:1000.

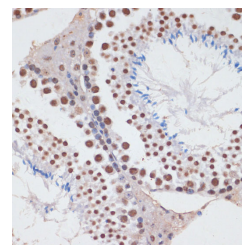
**Observed Mw:36kDa**  
**Calculated Mw:28kDa**



Immunohistochemistry of paraffin-embedded Rat liver using PCNA Polyclonal Antibody at dilution of 1:100 (40x lens).

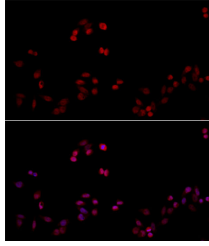


Immunohistochemistry of paraffin-embedded Human breast cancer using PCNA Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse testis using PCNA Polyclonal Antibody at dilution of 1:100 (40x lens).

### For Research Use Only



Immunofluorescence analysis of HeLa cells using  
PCNA Polyclonal Antibody at dilution of 1:100.  
Blue: DAPI for nuclear staining.

## Preparation & Storage

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

## 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.