

## PCNA Nuclear Loading Control Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 29 kDa. Actual: 35 kDa.
Purification:	Protein A purified

### Applications

#### Verified Activity:

1. 25 µg total protein per Lane of various lysates probed with PCNA polyclonal antibody, unconjugated (TMAB-01343) at 1:10000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.
2. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Rat Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Mouse Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded Rat Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded Mouse Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
8. Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
9. Paraformaldehyde-fixed, paraffin embedded Rat Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
10. Paraformaldehyde-fixed, paraffin embedded Mouse Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit

(Rabbit) and DAB staining.

11. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

12. Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

13. Paraformaldehyde-fixed, paraffin embedded Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

14. Paraformaldehyde-fixed, paraffin embedded Rat Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

15. Paraformaldehyde-fixed, paraffin embedded Mouse Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

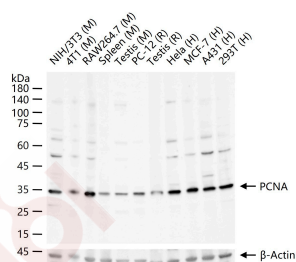
16. Paraformaldehyde-fixed, paraffin embedded Rat Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

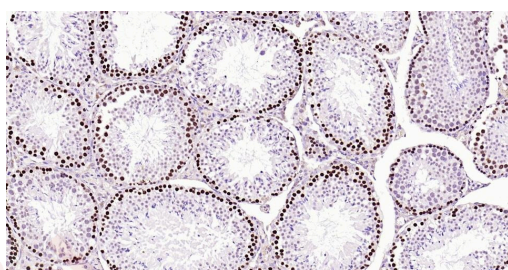
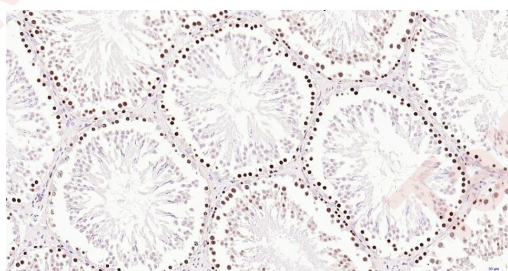
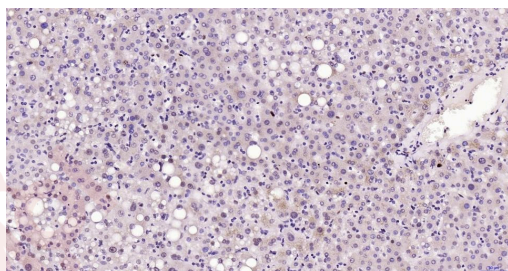
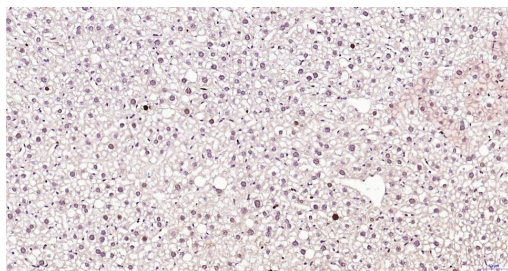
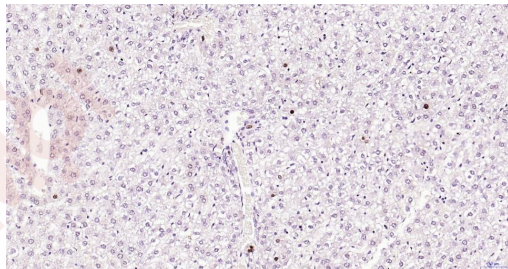
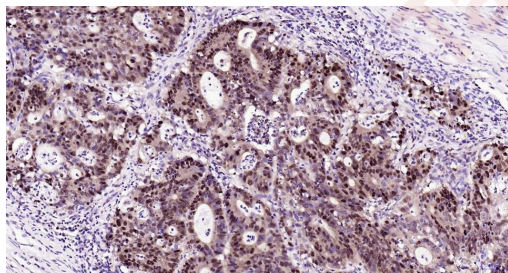
17. Paraformaldehyde-fixed, paraffin embedded Human Liver Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

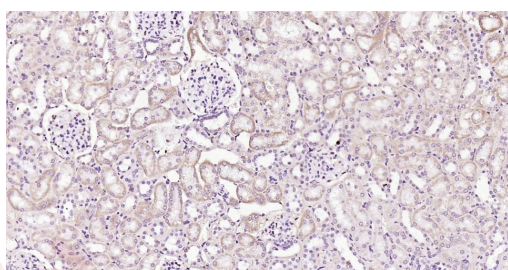
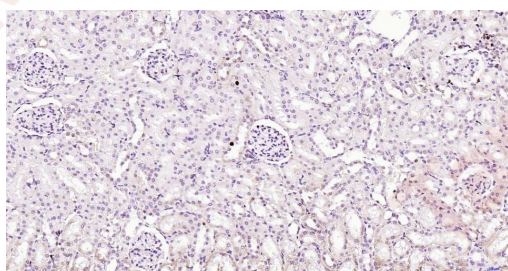
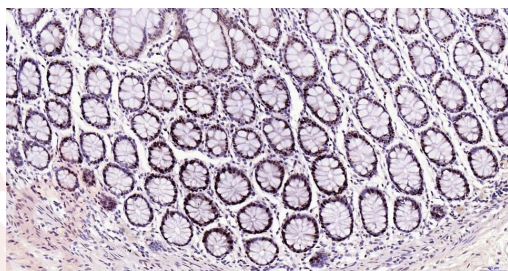
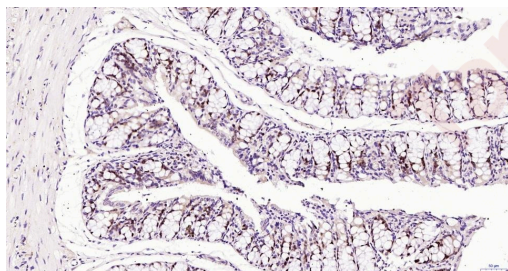
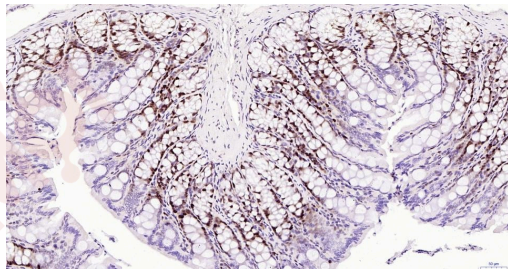
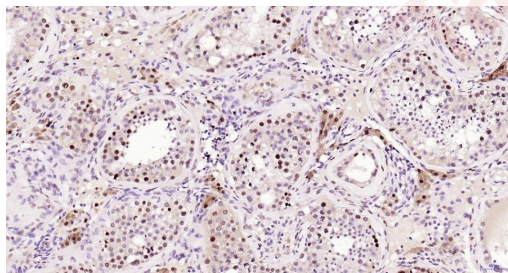
18. Paraformaldehyde-fixed, paraffin embedded Human Glioma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

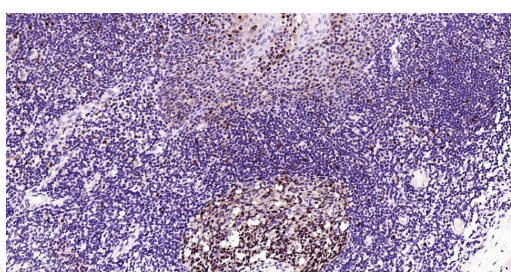
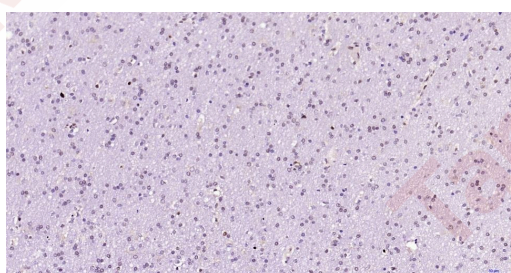
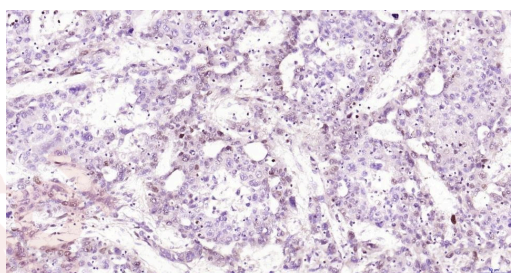
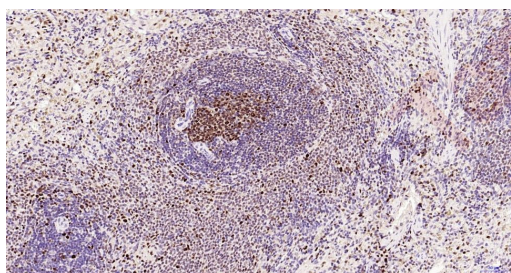
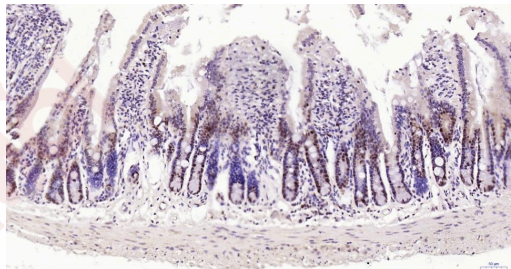
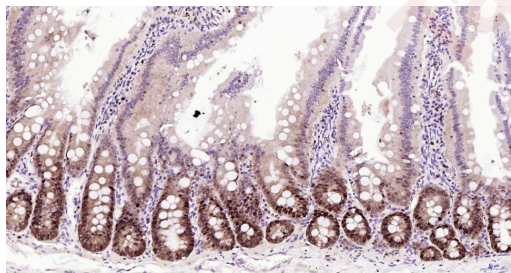
19. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

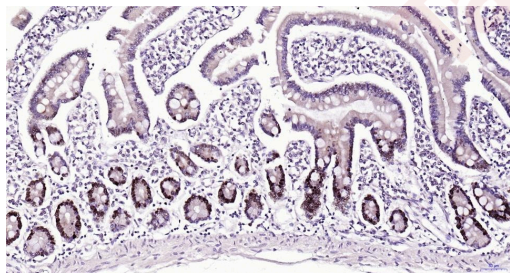
20. Paraformaldehyde-fixed, paraffin embedded Human Duodenum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Polyclonal Antibody, Unconjugated (TMAB-01343) at 1:800 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.











Application: FCM,ICC/IF,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:1000-10000; IHC-P: 1:200-1000; IHC-Fr: 1:200-1000; ICC/IF: 1:100-500; IF: 1:200-1000; FCM: 1ug/Test

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: mouse PCNA

Antigen Species: Mouse

Gene ID: 18538

Synonyms: HGCN8729;Pcna/cyclin;Mutagen-sensitive 209 protein;Polymerase delta accessory protein; PCNA;MGC8367;Cyclin;Proliferating Cell Nuclear Antigen;PCNAR;DNA polymerase delta auxiliary protein

Biology Area: Cell division,Tumor antigens,Markers,DNA / RNA binding,DNA Synthesis,Methylated DNA Binding,PCNA,Replication

### Research Background

Proliferating cell nuclear antigen (PCNA) is a 28kDa nuclear protein associated with the cell cycle, a nuclear protein vital for cellular DNA synthesis. Proliferating cell nuclear antigen was originally identified by immunofluorescence as a nuclear protein whose appearance correlated with the proliferate state of the cell. PCNA is required for replication of DNA in vitro and has been identified as the auxiliary protein (cofactor) for DNA polymerase delta. The anti-PCNA antibodies react with the nuclei of proliferating cells. PCNA is essential for cellular DNA synthesis and is also required for the in vitro replication of simian virus 40 (SV40) DNA where it acts to coordinate leading and lagging strand synthesis at the replication fork. The PCNA protein may fulfil several separate roles in the cell nucleus associated with changes in its antigenic structure.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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