

Mouse Anti-PCNA antibody

SLM-10889M

Product Name Mouse Anti-PCNA antibody

Chinese Name 增殖 The nucleus 抗原单克隆抗体

Alias Cyclin; DNA polymerase delta auxiliary protein; HGNC8729; MGC8367; Mutagen-sensitive 20
PCNAR; Polymerase delta accessory protein; Proliferating Cell Nuclear Antigen; PCNA_HUM

Research Area Tumour Cell biology immunology Chromatin and nuclear signals Cyclin

Immunogen Species Mouse

Clonality Monoclonal

React Species Human,Mouse,Rat

Applications WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 not yet tested in other appl
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 29kDa

Cellular localization The nucleus

Form Liquid

Concentration 1mg/ml

immunogen Recombinant human PCNA Protein

Lsotype IgG

Purification affinity purified by Protein G

Buffer Solution Human,Rat,Mouse1M TBS (pH7.4) with 1% BSA, Human,Rat,Mouse2% Proclin300 and 50% C

Storage Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or d

PubMed [PubMed](#)

Product Detail Proliferating cell nuclear antigen (PCNA) is a 28kDa nuclear protein associated with the cell cycle
for cellular DNA synthesis. Proliferating cell nuclear antigen was originally identified by immun
nuclear protein whose appearance correlated with the proliferate state of the cell. PCNA is require

complex, leading to enhance PCNA-dependent translesion DNA synthesis. Sumoylated during S
Acetylated in response to UV irradiation. Acetylation disrupts interaction with NUDT15 and pro
Phosphorylated. Phosphorylation at Tyr-211 by EGFR stabilizes chromatin-associated PCNA.

Similarity:

Belongs to the PCNA family.

SWISS:

P12004

Gene ID:

5111

Database links:

[Entrez Gene: 515499](#) Cow

[Entrez Gene: 5111](#) Human

[Entrez Gene: 18538](#) Mouse

[Entrez Gene: 25737](#) Rat

[Omim: 176740](#) Human

[SwissProt: Q3ZBW4](#) Cow

[SwissProt: P12004](#) Human

[SwissProt: P17918](#) Mouse

[SwissProt: P04961](#) Rat

[Unigene: 147433](#) Human

[Unigene: 728886](#) Human

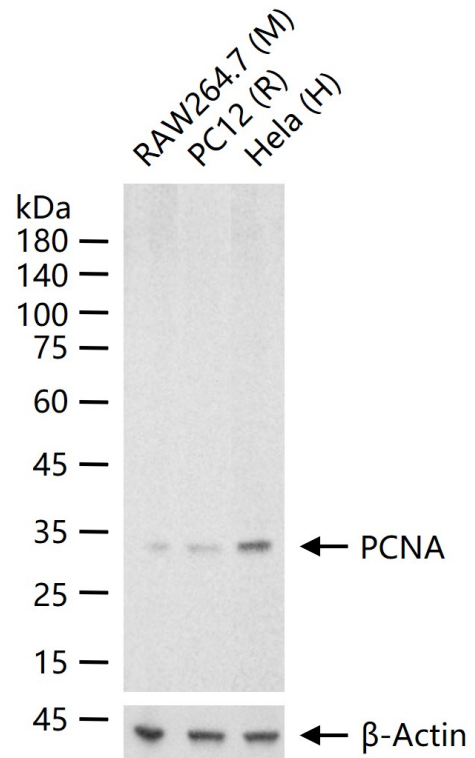
[Unigene: 7141](#) Mouse

[Unigene: 223](#) Rat

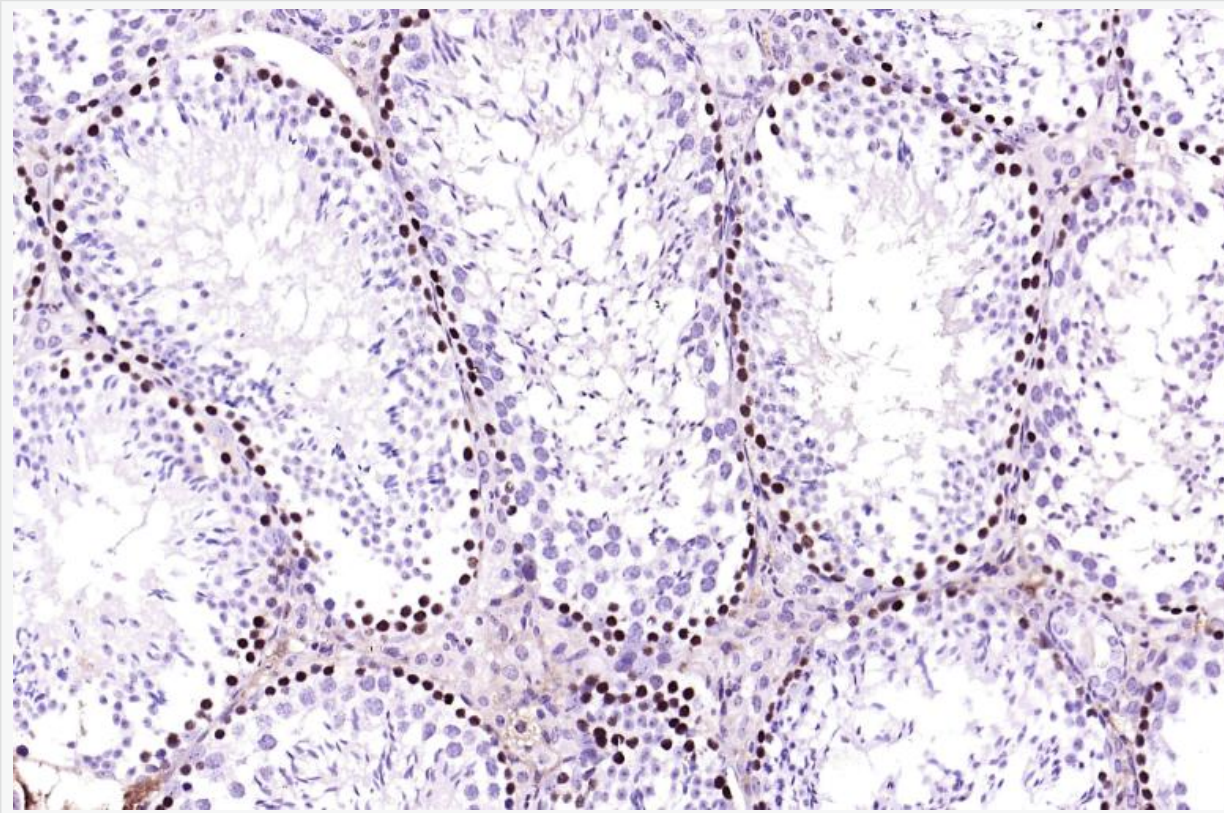
PCNA 是一种仅在增殖细胞中合成或表达的核内多肽，其表达和合成与细胞周期有关。主要
期、G1 期和 G2 初期。

PCNA 主要作为判断各种恶性 Tumour(包括胃肠道癌肿、乳腺癌、肝癌、膀胱癌等)细胞增
种指标。

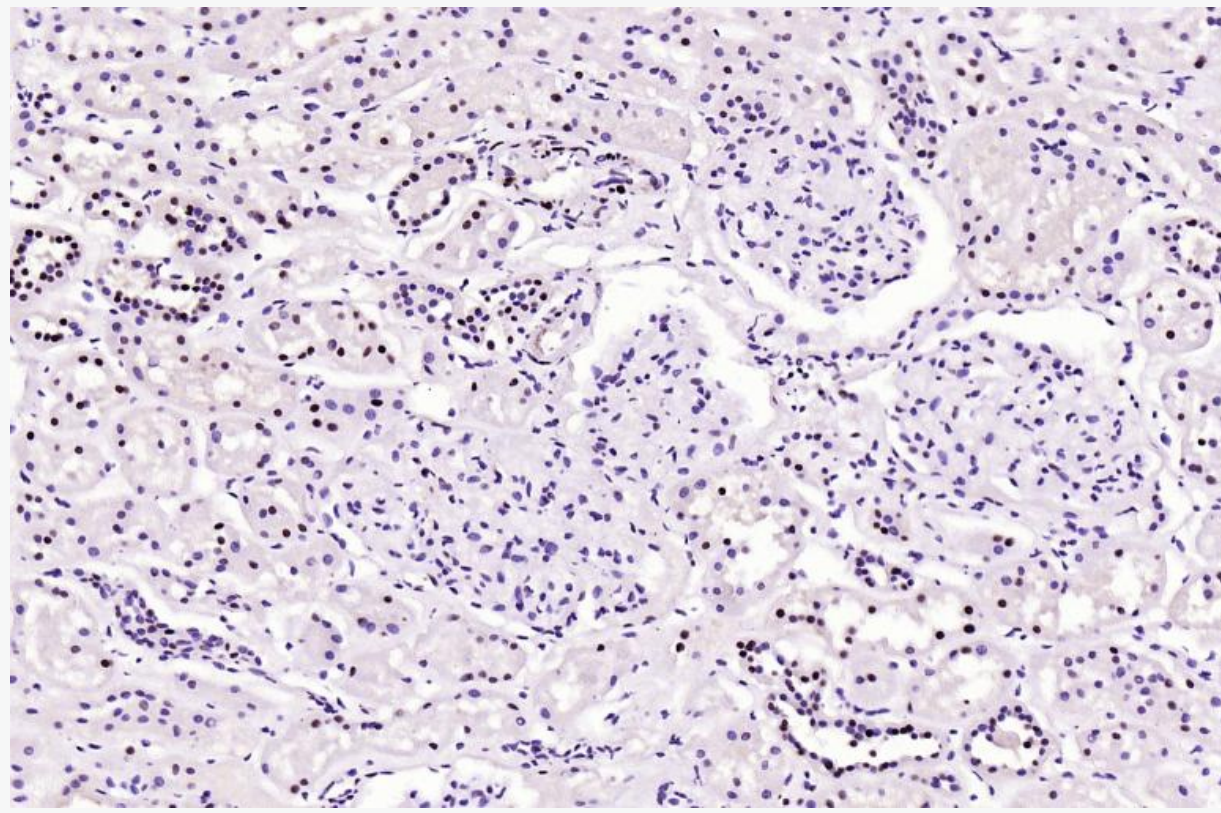
**Product
Picture**



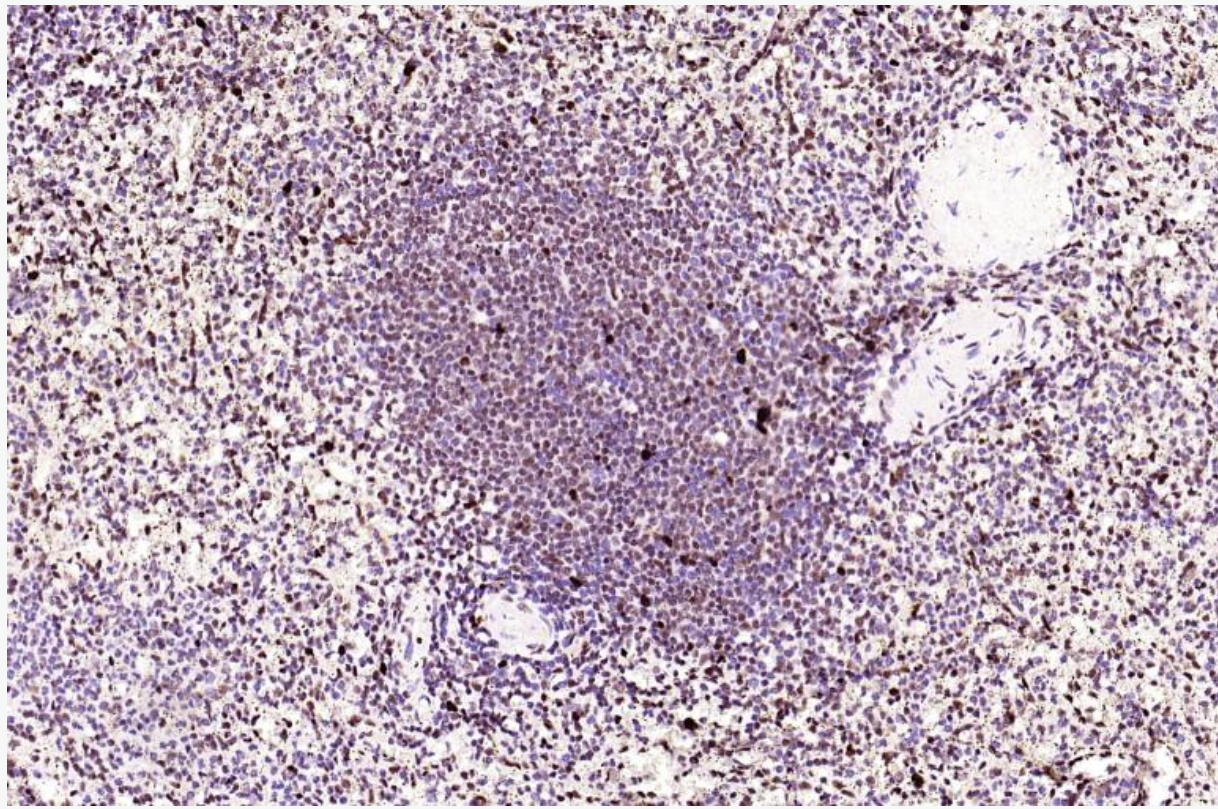
25 ug total protein per lane of various lysates (see on figure) probed with PCNA monoclonal antibody (SLM-10889M) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



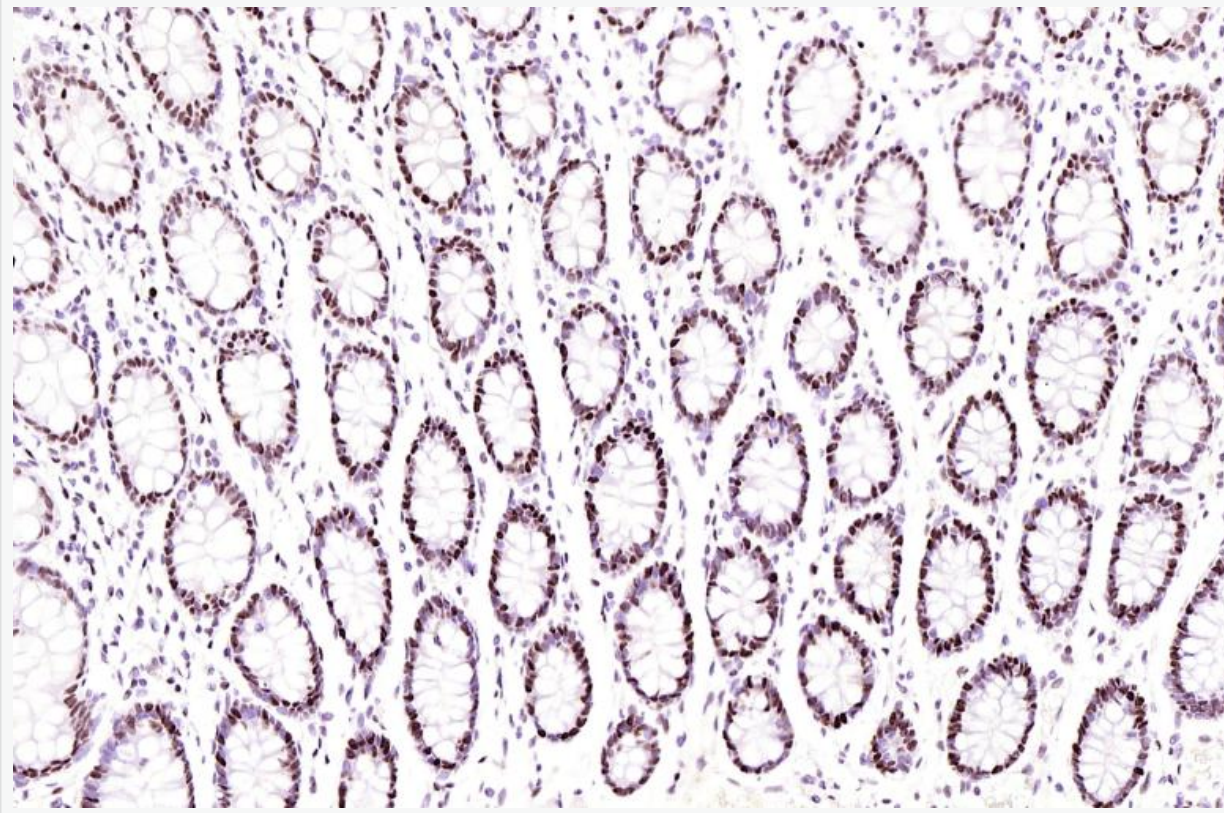
Paraformaldehyde-fixed, paraffin embedded Mouse testicles; Antigen retrieval by boiling in s
(pH6.0) for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(as
at 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-001



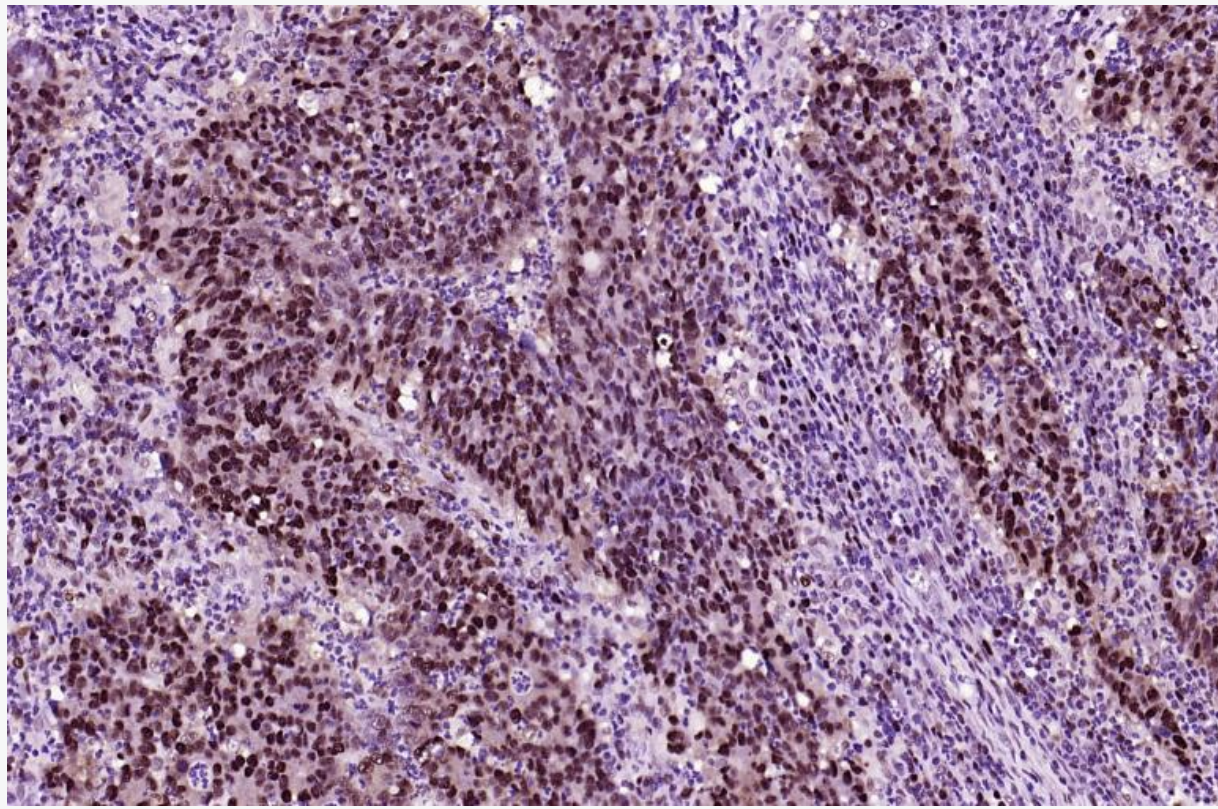
Paraformaldehyde-fixed, paraffin embedded Human kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(ascorbic acid) at 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-001001)



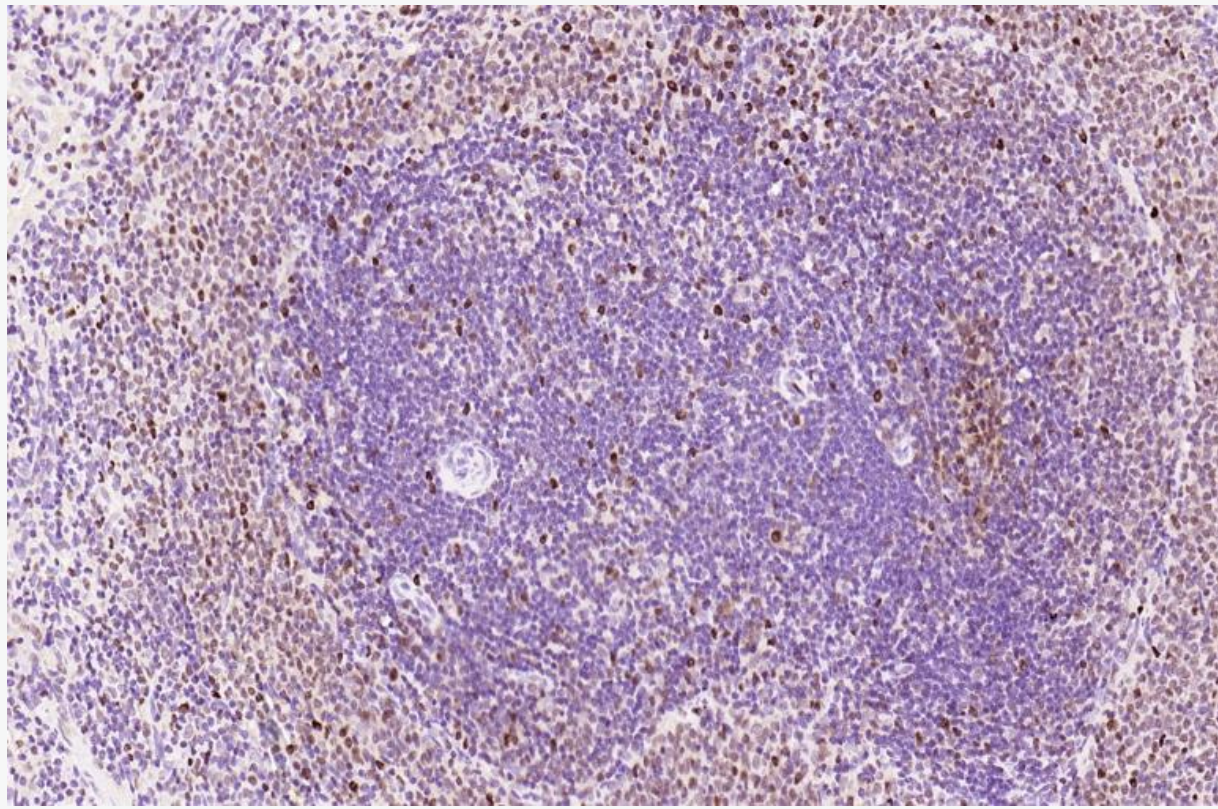
Paraformaldehyde-fixed, paraffin embedded Human spleen; Antigen retrieval by boiling in so (pH6.0) for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(asc at 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-001



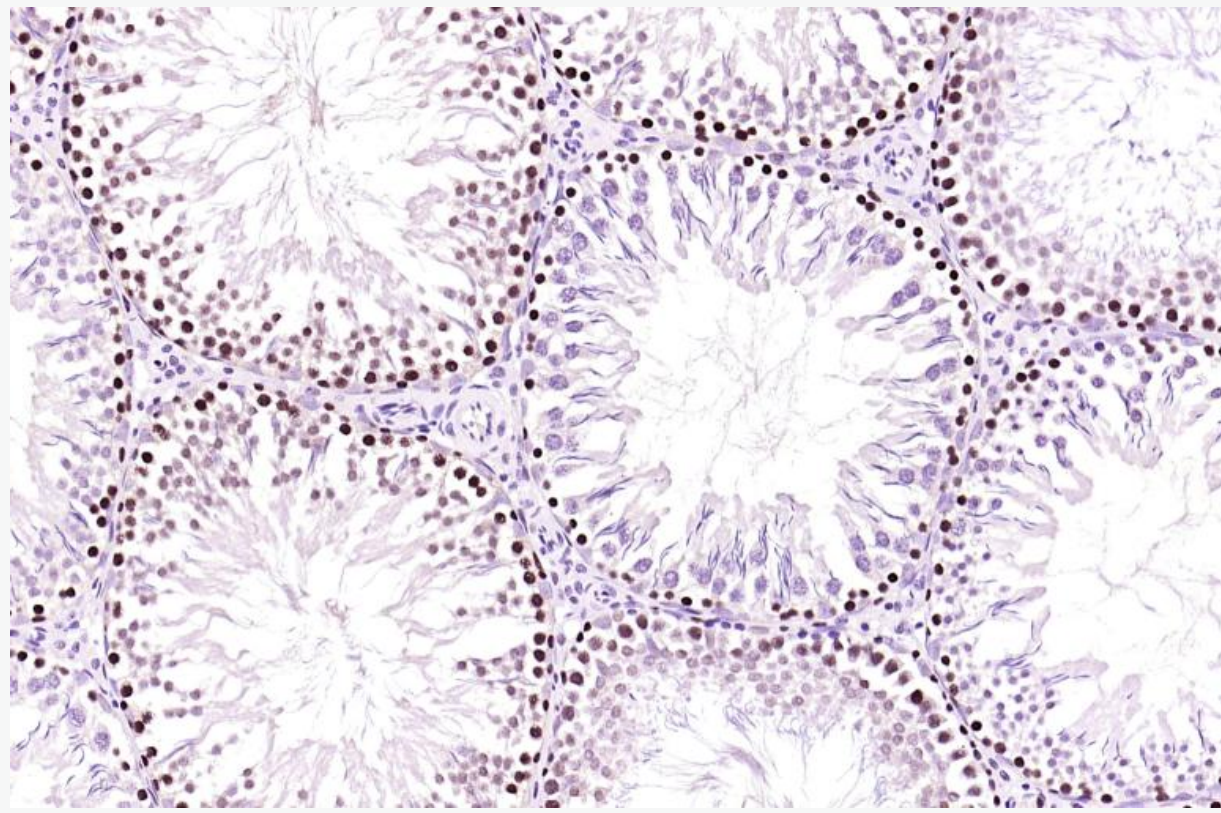
Paraformaldehyde-fixed, paraffin embedded Human colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(ascorbic acid) at 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010)



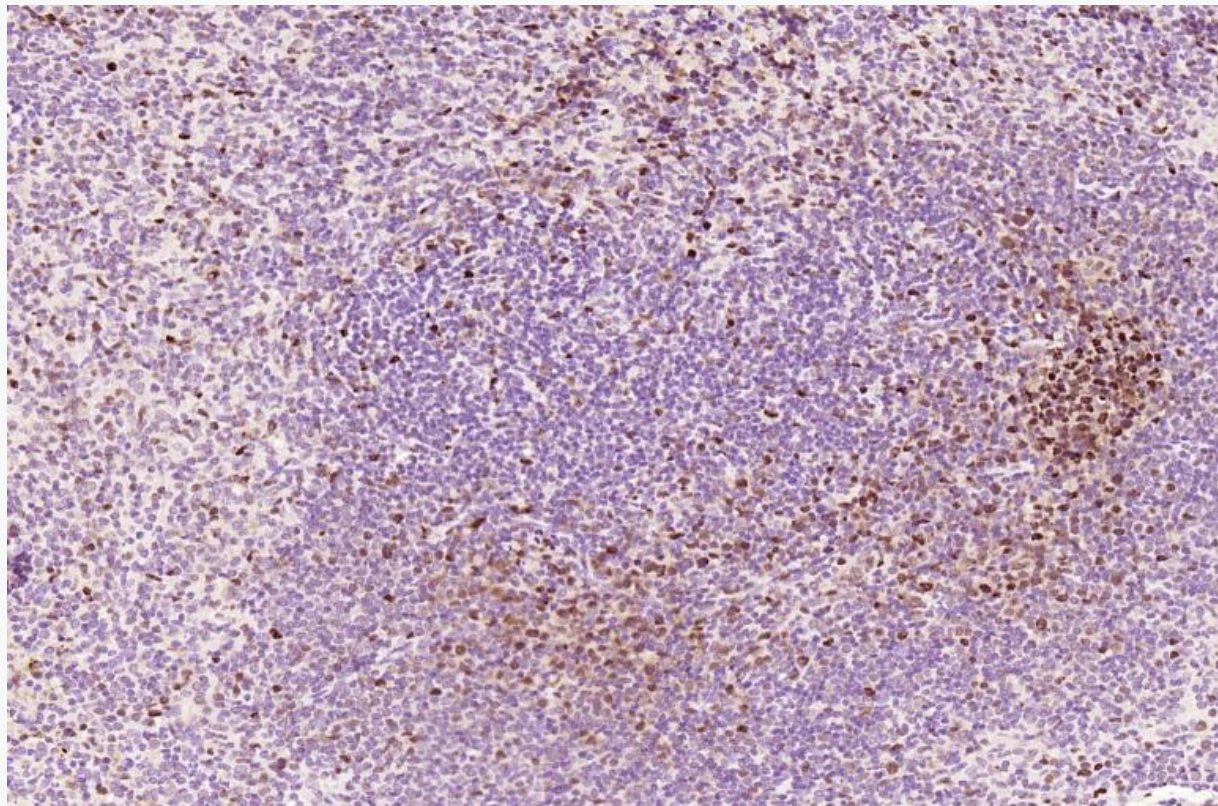
Paraformaldehyde-fixed, paraffin embedded Human colon cancer; Antigen retrieval by boiling in citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated (SLM-10889M) at 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB staining.



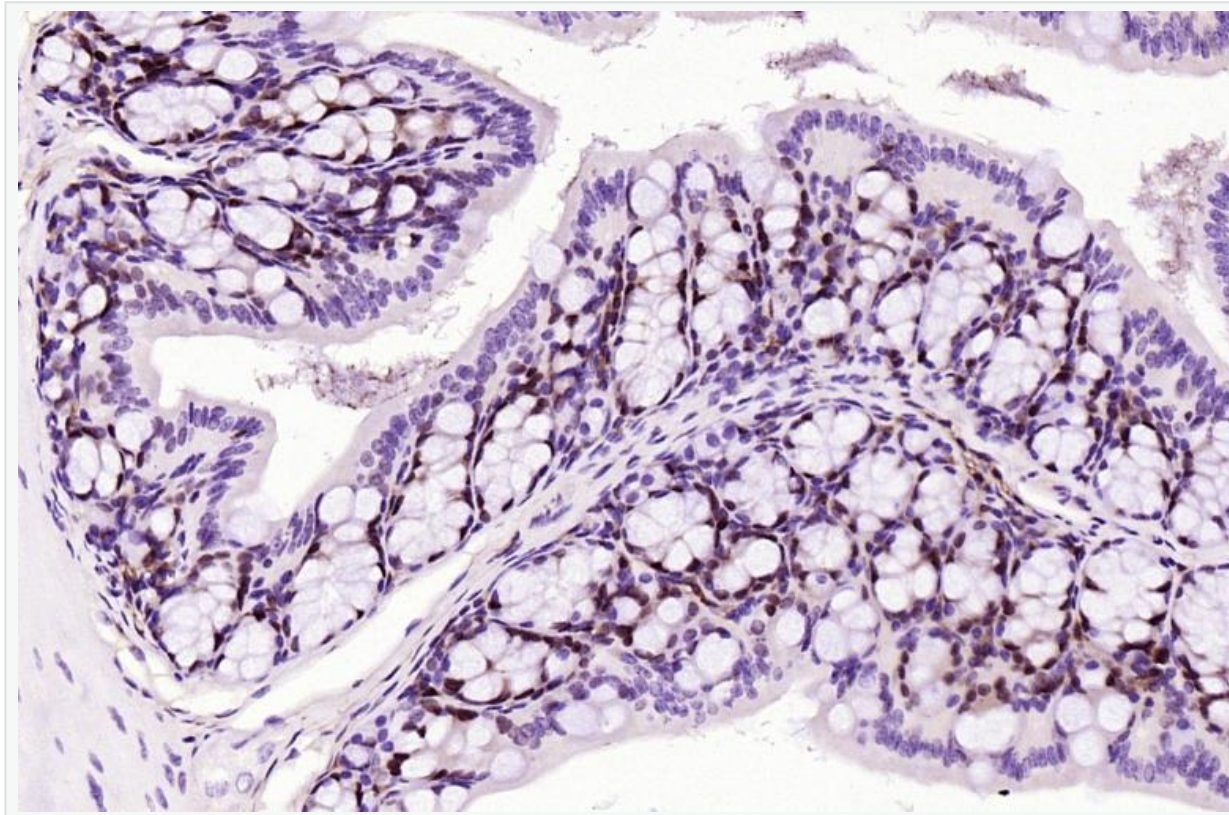
Paraformaldehyde-fixed, paraffin embedded Rat spleen; Antigen retrieval by boiling in sodium citrate buffer (pH 6.0) for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(ascites of 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010)



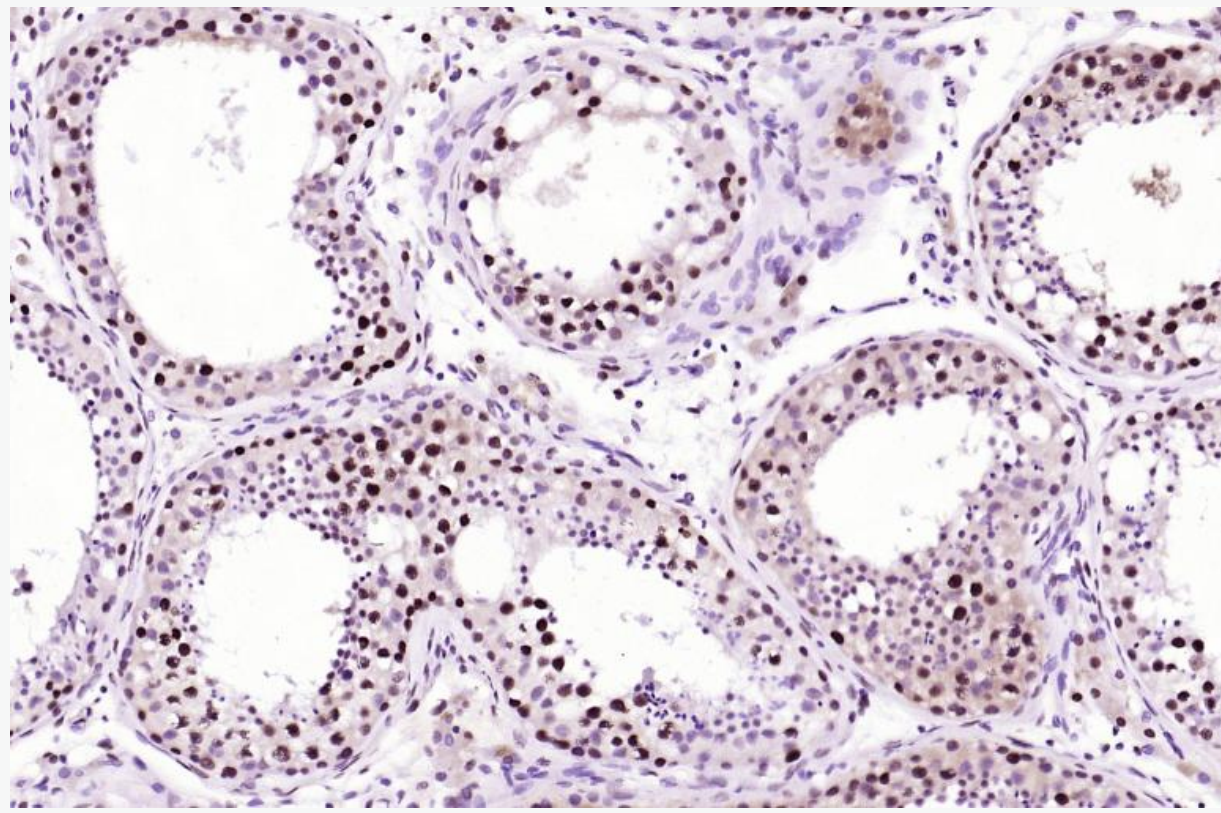
Paraformaldehyde-fixed, paraffin embedded Rat testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(ascorbic acid) at 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-001001).



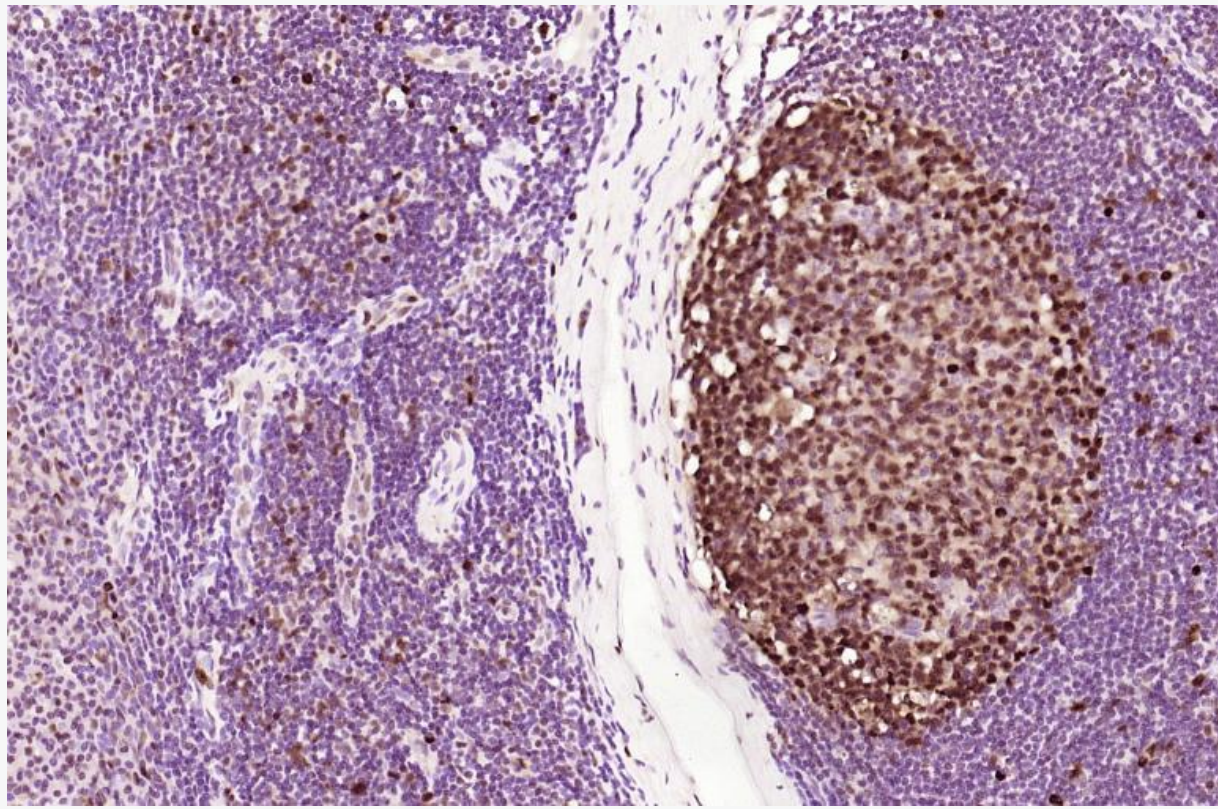
Paraformaldehyde-fixed, paraffin embedded Mouse spleen; Antigen retrieval by boiling in so (pH6.0) for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(asc at 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-001



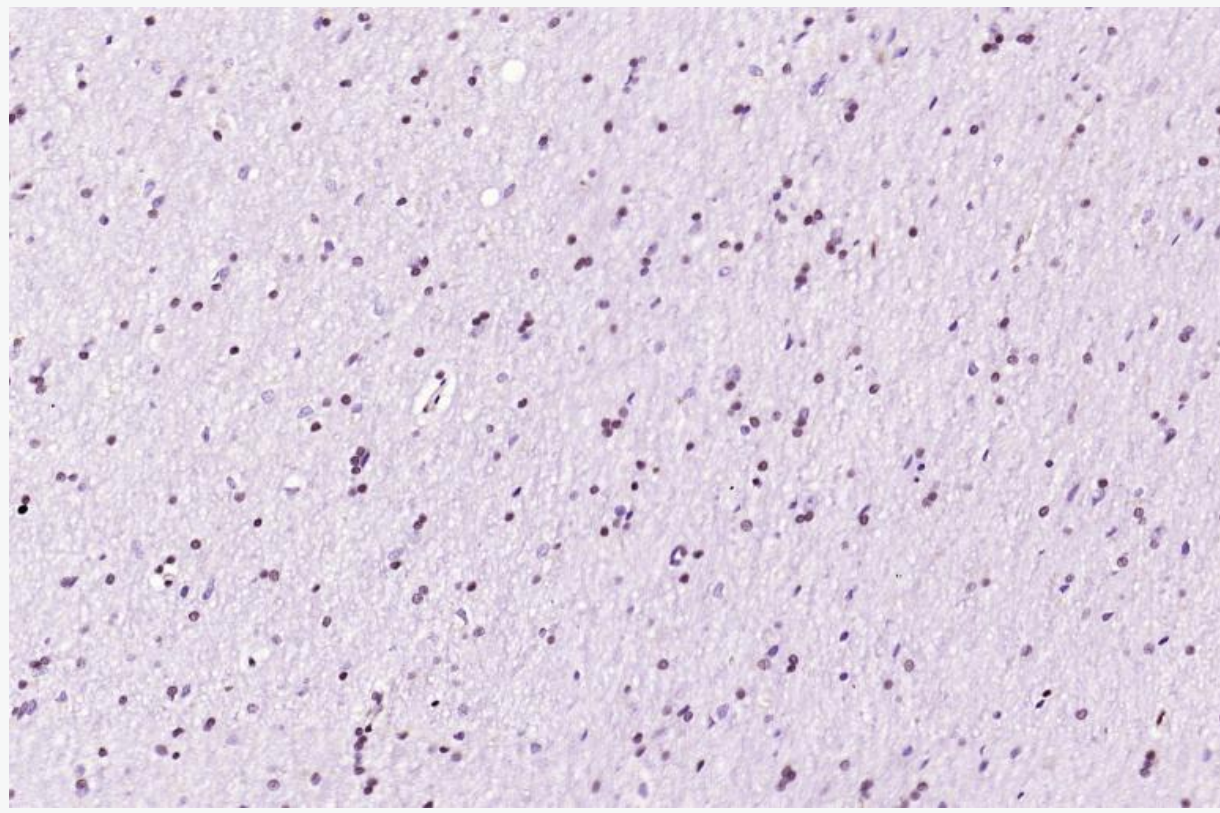
Paraformaldehyde-fixed, paraffin embedded Mouse colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(ascorbic acid) at 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-001001)



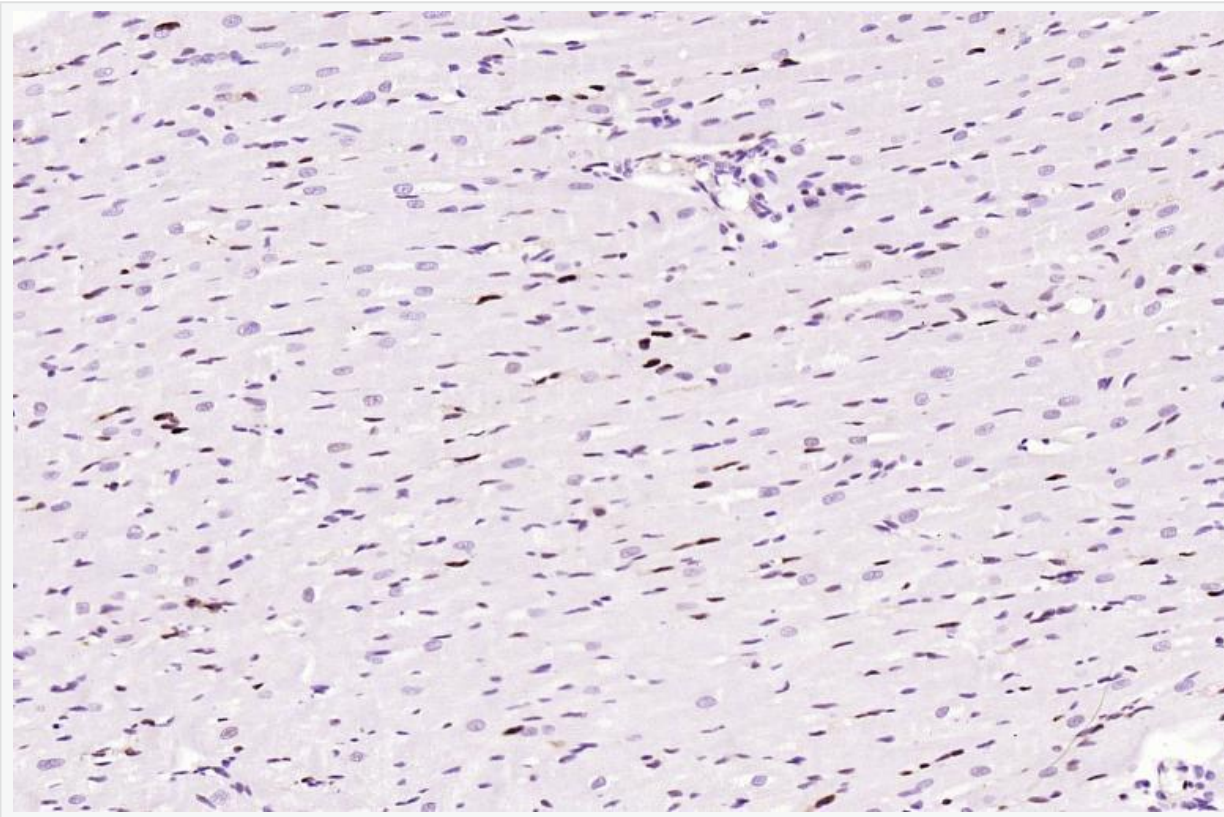
Paraformaldehyde-fixed, paraffin embedded Human testicles; Antigen retrieval by boiling in s (pH6.0) for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(asc at 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-001



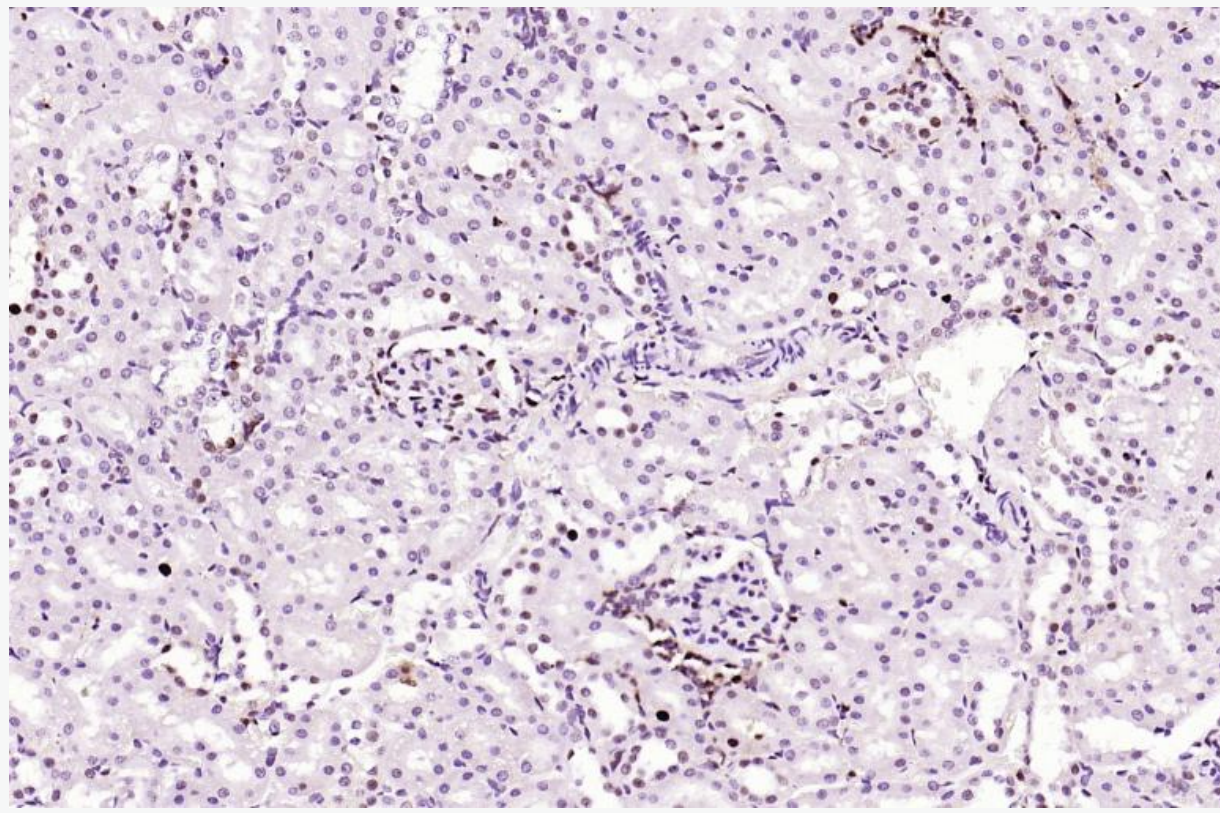
Paraformaldehyde-fixed, paraffin embedded Human tonsils; Antigen retrieval by boiling in so (pH6.0) for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(asc at 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-001



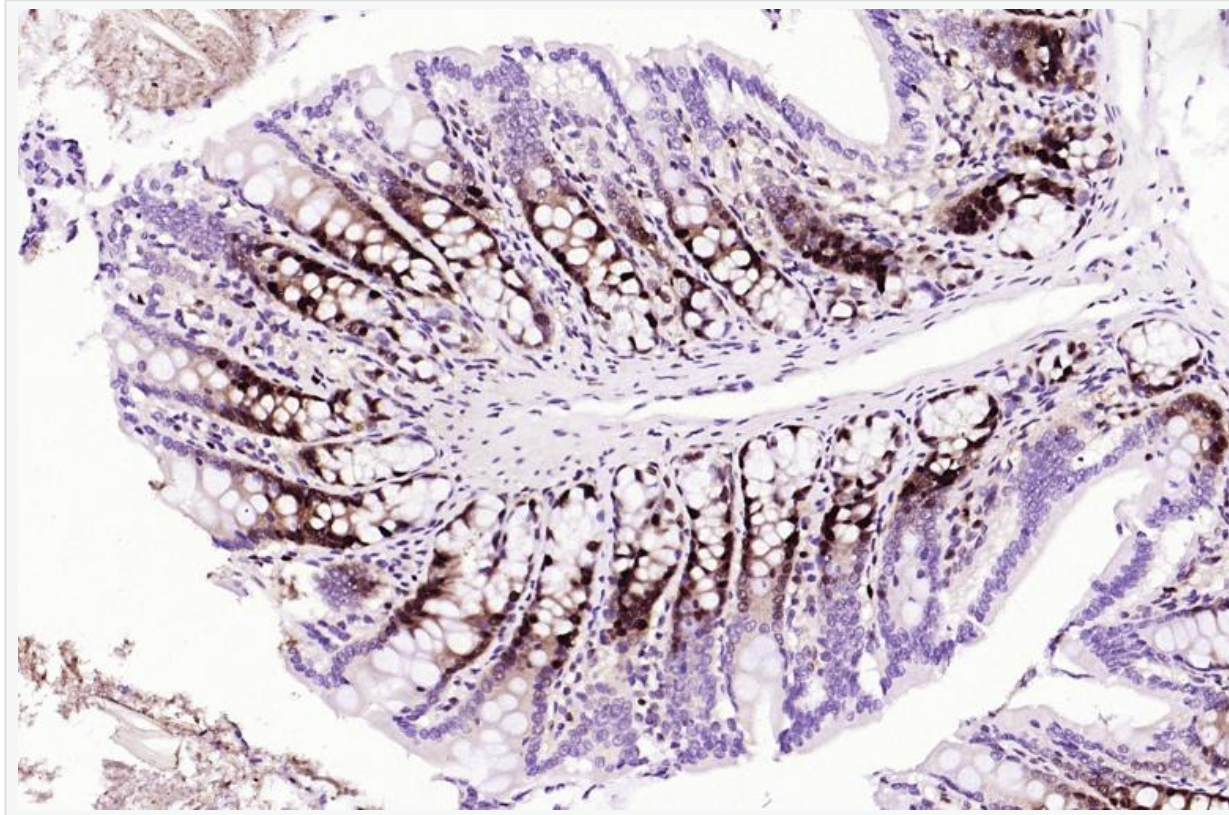
Paraformaldehyde-fixed, paraffin embedded Human glioma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(ascorbic acid) at 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-001001).



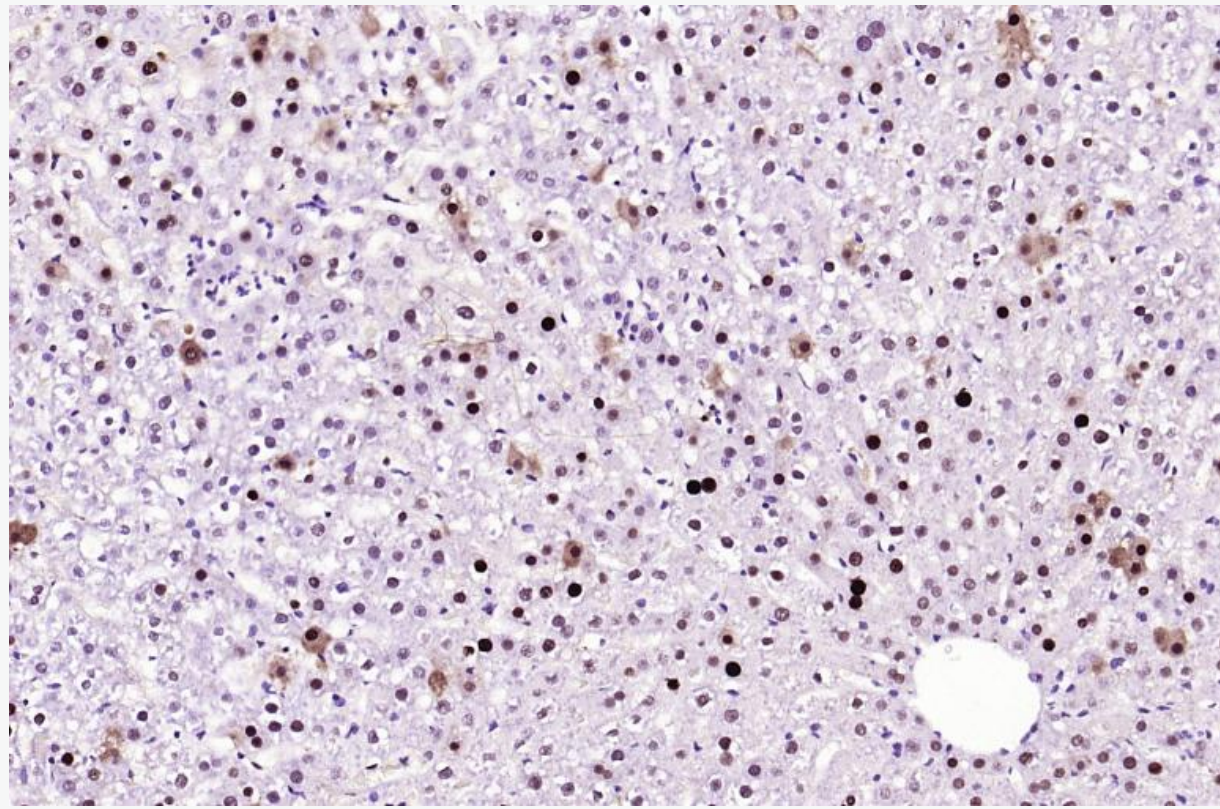
Paraformaldehyde-fixed, paraffin embedded Rat heart; Antigen retrieval by boiling in sodium for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(ascites of 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010)



Paraformaldehyde-fixed, paraffin embedded Rat kidney; Antigen retrieval by boiling in sodium for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(ascites of 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010)



Paraformaldehyde-fixed, paraffin embedded Rat colon; Antigen retrieval by boiling in sodium for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(ascites of 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010)



Paraformaldehyde-fixed, paraffin embedded Rat liver; Antigen retrieval by boiling in sodium for 15 min; Antibody incubation with PCNA Monoclonal Antibody, Unconjugated(ascites of 1:1500 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010)