

PCNA Rabbit mAb

Catalog No.: A12427 **Recombinant** **64 Publications**

Basic Information

Observed MW

36 kDa

Calculated MW

29 kDa

Category

Primary antibody

Applications

WB,IF/ICC,IF-F,IHC-P,ELISA

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	1:5000 - 1:20000
IF/ICC	1:1000 - 1:3000
IF-F	1:1000 - 1:3000
IHC-P	1:10000 - 1:40000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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Immunogen Information

Gene ID

5111

Swiss Prot

P12004

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

ATLD2; PCNA

Product Information

Source

Rabbit

Isotype

IgG

Purification

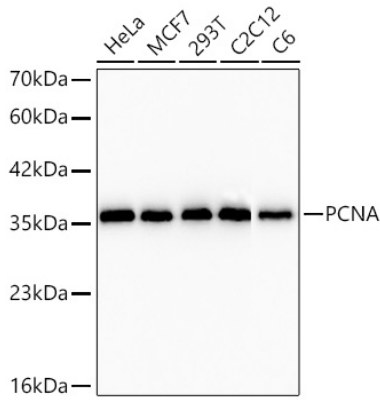
Affinity purification

Storage

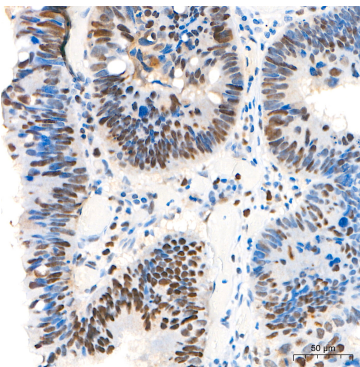
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

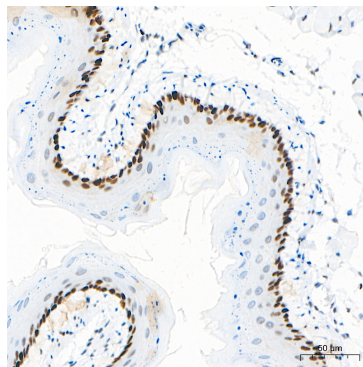
Validation Data



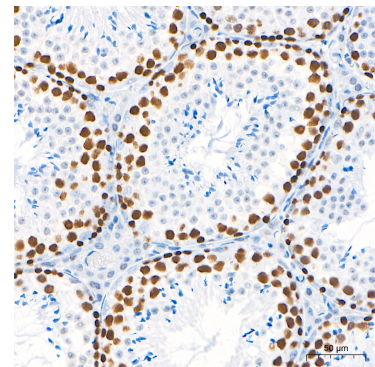
Western blot analysis of various lysates using PCNA Rabbit mAb (A12427) at 1:5000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 20s.



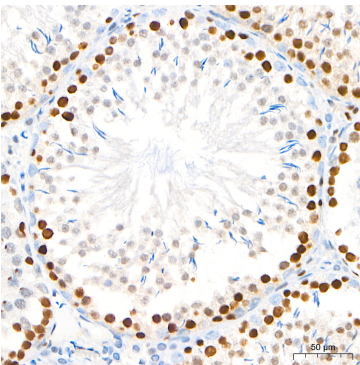
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using PCNA Rabbit mAb (A12427) at a dilution of 1:15000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



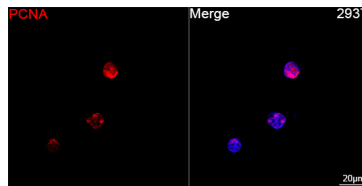
Immunohistochemistry analysis of paraffin-embedded Mouse esophagus tissue using PCNA Rabbit mAb (A12427) at a dilution of 1:15000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



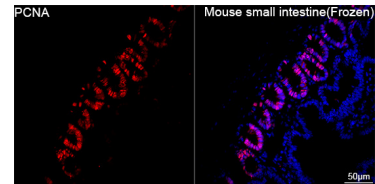
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using PCNA Rabbit mAb (A12427) at a dilution of 1:15000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using PCNA Rabbit mAb (A12427) at a dilution of 1:15000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

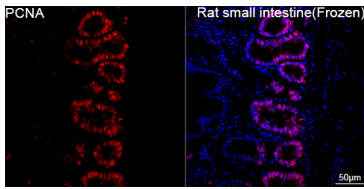


Confocal imaging of 293T cells using PCNA Rabbit mAb (A12427, dilution 1:1000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of frozen sections of Mouse small intestine tissue using PCNA Rabbit mAb (A12427, dilution 1:1000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Validation Data



Confocal imaging of frozen sections of Rat small intestine tissue using PCNA Rabbit mAb (A12427, dilution 1:1000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.