

Anti-PCNA antibody (1-261 aa) [SMM5496] (STJ11107563)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Mouse
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

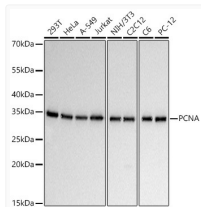
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:10000 IHC-P:1:2000-1:8000 IF/CC:1:200-1:800 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, pH 7.2.
Isotype	IgG2ak
Molecular Weight	Protein Mw: 29kDa Observed Mw: 36kDa

TARGET INFORMATION

Gene ID	25737
Gene Symbol	Pcna
UniProt ID	PCNA_RAT
Immunogen Region	1-261 aa
Immunogen Sequence	MFEARLIQGSILKVKVLEALK DLINACWDISSGGVNLQSM DSSHVSLVQLTLRSEGFDTY RCDNRNLAMGVNLTSMKILK CAGNEDIITLRAEDNADTLA LVFEAPNQEKVSDYEMKLM LDVEQLGIPEQEQYSCVVKMP SGEFARICRDLSHIGDAVVI SCAKDGVKFSASGELGNGNI KLSQTSNVDKKEEA VSIEMN EPVQLTFALRYLNFFTKATP LSPTVTLSMSADVPLVVEY
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-261 of rat PCNA (NP_071776.1).

ADDITIONAL INFORMATION

Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



Western blot analysis of various lysates using PCNA Mouse mAb (STJ11107563) at 1:5000 dilution incubated overnight at 4C.

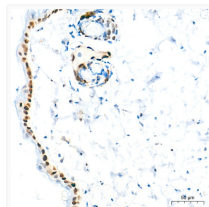
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (STJS000854) at 1:10000 dilution.

Lysates/proteins: 25 µg/g per lane.

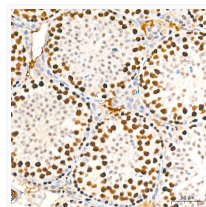
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit

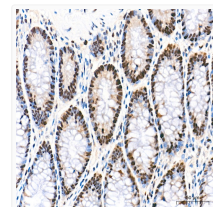
Exposure time: 10s.



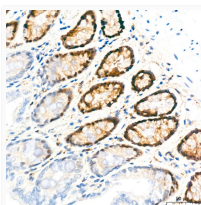
Immunohistochemistry analysis of paraffin-embedded Mouse skin tissue using PCNA Mouse mAb (STJ11107563) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to immunohistochemistry staining.



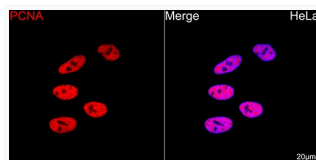
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using PCNA Mouse mAb (STJ11107563) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to immunohistochemistry staining.



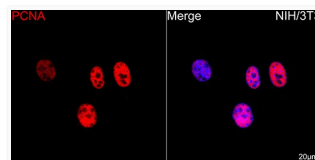
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using PCNA Mouse mAb (STJ11107563) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to immunohistochemistry staining.



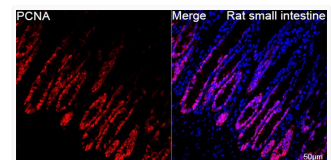
Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using PCNA Mouse mAb (STJ11107563) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to immunohistochemistry staining.



Confocal imaging of HeLa cells using PCNA Mouse mAb (STJ11107563, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (STJS001167, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NIH/3T3 cells using PCNA Mouse mAb (STJ11107563, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (STJS001167, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of paraffin-embedded Rat small intestine tissue using PCNA Mouse mAb (STJ11107563, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (STJS001167, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.