

Datasheet for ABIN3032321
anti-PCNA antibody (AA 231-261)



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10 Images

Overview

Quantity:	0.4 mL
Target:	PCNA
Binding Specificity:	AA 231-261
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCNA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	A portion of amino acids 231-261 from the human protein was used as the immunogen for this PCNA antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Rat, Bovine, Primate, Hamster
Purification:	Purified

Target Details

Target:	PCNA
Alternative Name:	PCNA (PCNA Products)
Background:	PCNA is found in the nucleus and is a cofactor of DNA polymerase delta. This protein acts as a

Target Details

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.

UniProt: [P12004](#)

Pathways: [Telomere Maintenance](#), [DNA Damage Repair](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Synthesis of DNA](#), [Autophagy](#)

Application Details

Application Notes: Titration of the PCNA antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50,Immunofluorescence: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

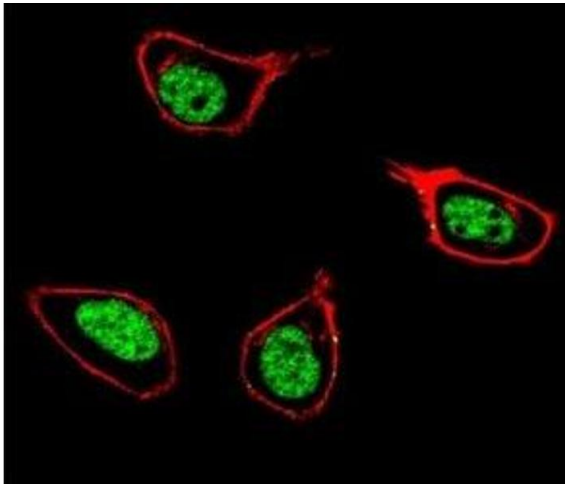
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

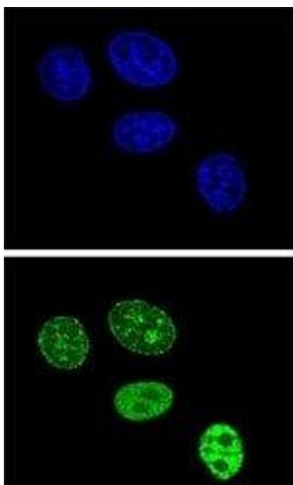
Storage: -20 °C

Storage Comment: Aliquot the PCNA antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



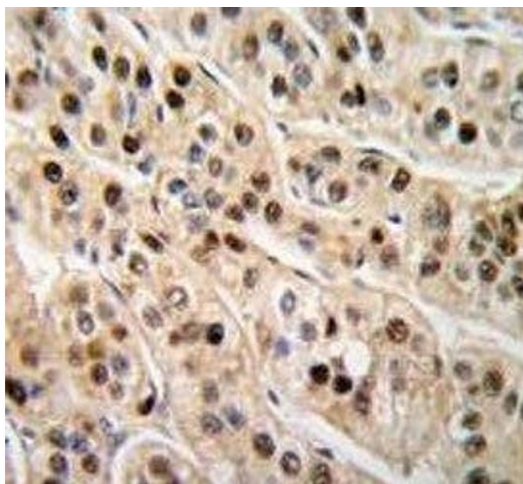
Immunofluorescence

Image 1. Confocal immunofluorescent analysis of PCNA antibody with 293 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red). DAPI was used as a nuclear counterstain (blue).



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of PCNA antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



Immunohistochemistry

Image 3. IHC analysis of FFPE human hepatocarcinoma tissue stained with PCNA antibody.

Please check the [product details page](#) for more images. Overall 10 images are available for ABIN3032321.