

Datasheet for ABIN389344
anti-PCNA antibody (C-Term)[Go to Product page](#)

6 Images

5 Publications

Overview

Quantity:	400 µL
Target:	PCNA
Binding Specificity:	AA 231-261, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCNA antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PCNA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 231-261 amino acids from the C-terminal region of human PCNA.
Clone:	RB17486
Isotype:	Ig Fraction
Predicted Reactivity:	B, Ha, Pr, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	PCNA
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Target Details

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 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.
Molecular Weight:	28769
Gene ID:	5111
NCBI Accession:	NP_002583 , NP_872590
UniProt:	P12004
Pathways:	Telomere Maintenance , DNA Damage Repair , Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA , Autophagy

Application Details

Application Notes:	IF: 1:10~50. IF: 1:10~50. WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Wang, Liu, Zhao, Song, Wang, Wang, Sun: "Phosphorylation of CDK2 on threonine 160 influences silencing of sex chromosome during male meiosis." in: Biology of reproduction , Vol.
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Images

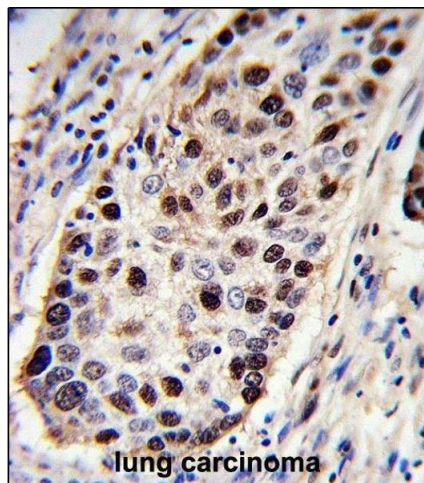
**Immunohistochemistry (Paraffin-embedded Sections)**

Image 1. PCNA Antibody (C-term) (ABIN389344 and ABIN2839453) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PCNA Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

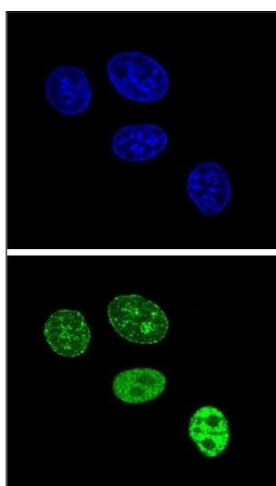
**Immunofluorescence**

Image 2. Confocal immunofluorescent analysis of PCNA Antibody (C-term) (ABIN389344 and ABIN2839453) with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclei (blue).

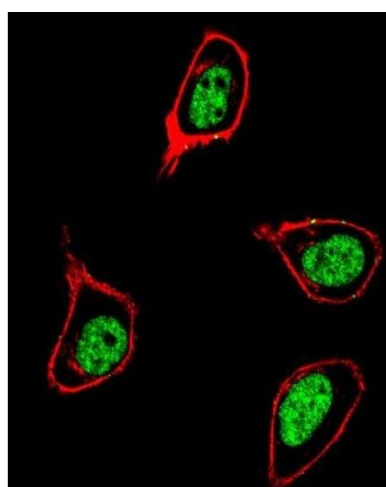
**Immunofluorescence**

Image 3. Confocal immunofluorescent analysis of PCNA Antibody (C-term) (ABIN389344 and ABIN2839453) 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 to stain the cell nuclei (blue).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN389344.