

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-PCNA



Numéro de catalogue: **CL594-10205**

Phare

1 Publications

## Informations de base

Numéro de catalogue: CL594-10205	Numéro d'acquisition GenBank: BC000491	Méthode de purification: Purification par affinité contre l'antigène
Taille: 100ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 5111	Dilutions recommandées: IF 1:50-1:500
Hôte: Lapin	Nom complet: proliferating cell nuclear antigen	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG	MW calculé 29 kDa/31 kDa	
Immunogen Catalog Number: AG0277	MW observés: 36-38 kDa	

## Applications

Applications testées:  
FC (Intra), IF

Demandes citées:  
IF

Spécificité de l'espèce:  
Humain, rat, souris

Espèces citées:  
Humain

Contrôles positifs:

IF : tissu de cancer du sein humain, tissu de cancer du foie humain, tissu testiculaire de souris

## Informations générales

Proliferating Cell Nuclear Antigen, commonly known as PCNA, is a protein that acts as a processivity factor for DNA polymerase  $\delta$  in eukaryotic cells. This protein is an auxiliary protein of DNA polymerase delta and is involved in the control of eukaryotic DNA replication by increasing the polymerase's processibility during elongation of the leading strand. PCNA induces a robust stimulatory effect on the 3'-5' exonuclease and 3'-phosphodiesterase, but not apurinic-apyrimidinic (AP) endonuclease, APEX2 activities. It has to be loaded onto DNA in order to be able to stimulate APEX2. PCNA protein is highly conserved during evolution; the deduced amino acid sequences of rat and human differ by only 4 of 261 amino acids. PCNA has been used as loading control for proliferating cells. This antibody is a rabbit polyclonal antibody raised against an internal region of human PCNA. The calculated molecular weight of PCNA is 29 kDa, but modified PCNA is 36kDa (PMID: 1358458).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Jiayu Guo	37511343	Int J Mol Sci	IF

## Stockage

Stockage:

Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

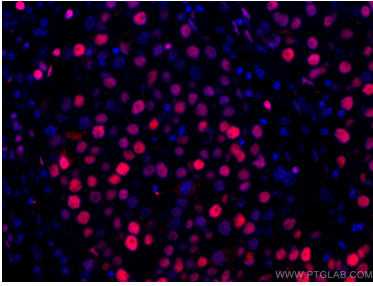
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

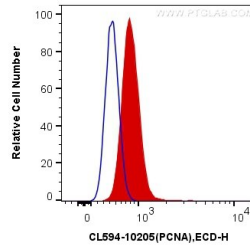
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

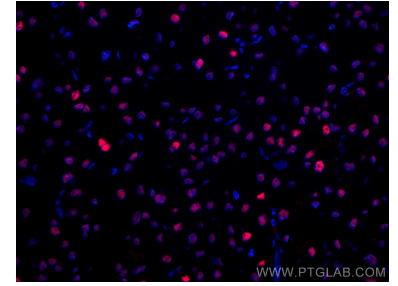
## Données de validation sélectionnées



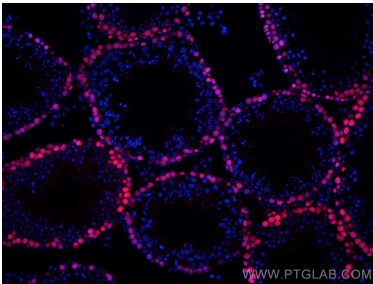
Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CoraLite®594 PCNA antibody (CL594-10205) at dilution of 1:200.



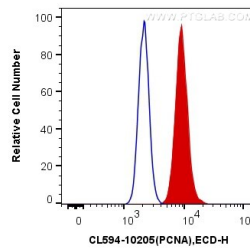
1X10<sup>6</sup> Jurkat cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human PCNA (CL594-10205) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CoraLite®594 PCNA antibody (CL594-10205) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using CoraLite®594 PCNA antibody (CL594-10205) at dilution of 1:200.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human PCNA (CL594-10205) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).