

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-PCNA



Numéro de catalogue: 24036-1-AP

19 Publications

## Informations de base

Numéro de catalogue:  
24036-1-AP

Taille:  
150ul, Concentration: 400 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG7416

Numéro d'acquisition GenBank:  
BC000491

Identification du gène (NCBI):  
5111

Nom complet:  
proliferating cell nuclear antigen

MW calculé  
29 kDa/31 kDa

MW observés:  
36-38 kDa

Méthode de purification:  
Purification par affinité contre l'antigène

Dilutions recommandées:  
WB 1:2000-1:14000  
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB  
IHC 1:20-1:200  
IF 1:50-1:500

## Applications

Applications testées:  
FC, IF, IHC, IP, WB, ELISA

Demandes citées:  
IF, IHC, RIP, WB

Spécificité de l'espèce:  
Humain, rat, souris

Espèces citées:  
Humain, rat, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : cellules HeLa, cellules HEK-293, cellules HepG2, cellules Jurkat, cellules MCF-7, cellules NIH/3T3, cellules Raji, tissu hépatique de rat, tissu testiculaire de souris

IP : cellules HEK-293,

IHC : tissu de cancer du sein humain, tissu de cancer de l'estomac humain, tissu de gliome humain

IF : tissu de cancer du sein humain, cellules HepG2

## Informations générales

The proliferating cell nuclear antigen (PCNA), a protein synthesized in early G1 and S phases of the cell cycle, functions in cell cycle progression, DNA replication and DNA repair. In early S phase, PCNA exhibits granular distribution and is absent from the nucleoli; however, in late S phase, it relocates to the nucleoli. PCNA exists in two basic forms: one involved in ongoing DNA replication, which localizes specifically to the nucleus, and a second, soluble form, not implicated in constant synthesis. Interestingly, the latter form degrades in the presence of organic solvents, rendering it undetectable by histological methods in tissues using organic fixatives, and thus also providing a method of visualizing only the synthesizing form. This antibody specifically react with the 36kd human PCNA protein.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Lingbin Qi	36339749	Heliyon	WB,IF
Bulbul Ahmmed	30483742	Int J Oncol	WB
Ning Huang	36435201	Biochem Pharmacol	WB,IF

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

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

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

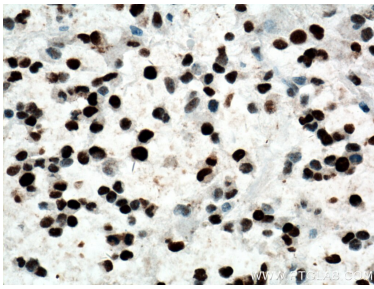
For technical support and original validation data for this product please contact:

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

E: proteintech@ptglab.com  
W: ptglab.com

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

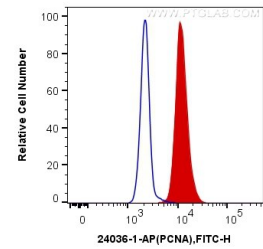
## Données de validation sélectionnées



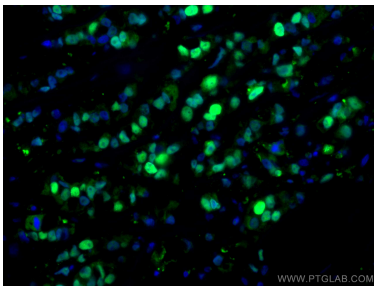
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 24036-1-AP (PCNA antibody) at dilution of 1:1600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



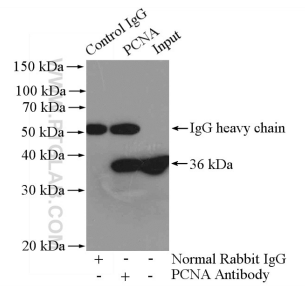
HEK-293 cells were subjected to SDS PAGE followed by western blot with 24036-1-AP (PCNA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



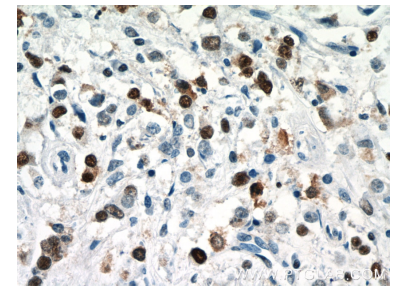
$1 \times 10^6$  HeLa cells were intracellularly stained with 0.2 ug Anti-Human PCNA (24036-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



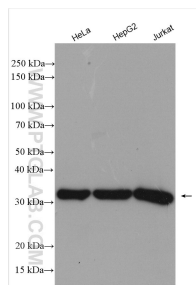
Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using 24036-1-AP (PCNA antibody), at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



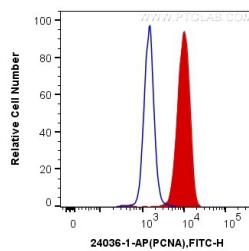
IP Result of anti-PCNA (IP:24036-1-AP, 4ug; Detection:24036-1-AP 1:1000) with HEK-293 cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 24036-1-AP (PCNA Antibody) at dilution of 1:400 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 24036-1-AP (PCNA antibody) at dilution of 1:7000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  Jurkat cells were intracellularly stained with 0.2 ug Anti-Human PCNA (24036-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).