

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-PCNA



Numéro de catalogue: 10205-2-AP

Phare

742 Publications

Informations de base

Numéro de catalogue:
10205-2-AP

Taille:
150ul, Concentration: 550 µg/ml by
Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG0277

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 1:5000-1:50000
IP 0.5-4.0 µg for IP and 1:5000-1:50000
for WB
IHC 1:1000-1:4000
IF 1:300-1:1200

Applications

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

Demandes citées:
Cell treatment, CoIP, IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, Lapin, poisson-zèbre, poulet, rat, souris,
embryons de médaka, fish

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 A431, cellules C2C12, cellules HEK293, cellules HeLa, cellules HepG2, cellules Jurkat, cellules MCF-7, cellules NIH/3T3, cellules PC-12, cellules Raji, tissu hépatique de rat, tissu hépatique de souris, tissu splénique de souris, tissu testiculaire de rat, tissu testiculaire de souris

IP : cellules MCF-7, N/A

IHC : tissu de cancer du foie humain, tissu de cancer de l'estomac humain, tissu de cancer du côlon humain, tissu de cancer du sein humain, tissu de mélanome malin humain

IF : cellules HepG2, cellules MCF-7, cellules Neuro-2a, tissu de cancer du sein 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 δ 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
Yongchun Yu	36183674	Transl Oncol	WB
Bing Sun	27684953	PLoS One	WB
Xiaobing Zhao	36169673	J Mol Med (Berl)	WB

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.

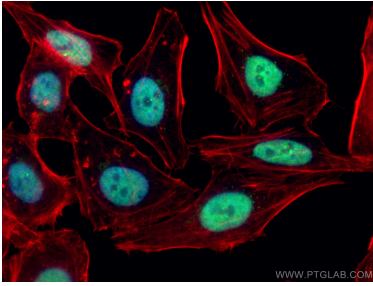
For technical support and original validation data for this product please contact:

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

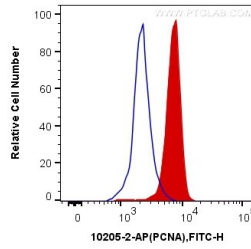
E: proteintech@ptglab.com
W: ptglab.com

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

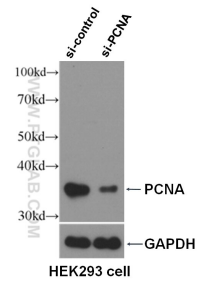
Données de validation sélectionnées



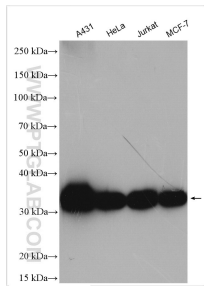
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PCNA antibody (10205-2-AP) at dilution of 1:600 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL94-phalloidin (red), DAPI (Blue).



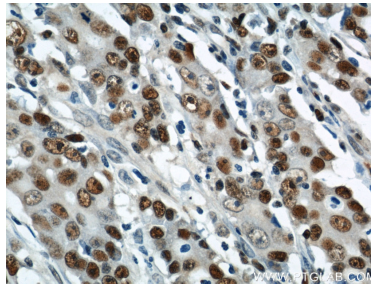
1X10⁶ Jurkat cells were intracellularly stained with 0.2 ug Anti-Human PCNA (10205-2-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), and 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



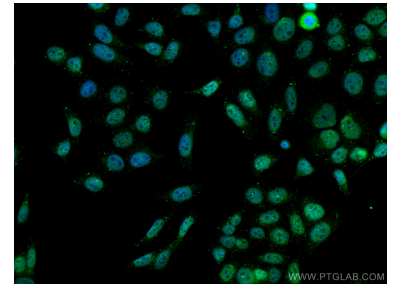
WB result of PCNA antibody (10205-2-AP, 1:10000) with si-control and si-PCNA transfected HEK293 cells.



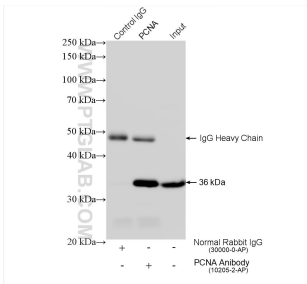
Various lysates were subjected to SDS PAGE followed by western blot with 10205-2-AP (PCNA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



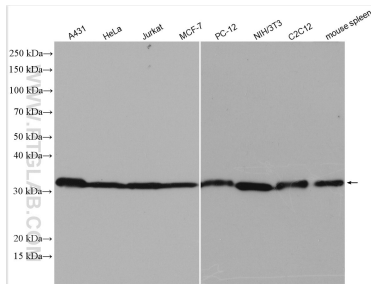
Immunohistochemical analysis of paraffin-embedded human stomach cancer using 10205-2-AP (PCNA antibody) at dilution of 1:500 (under 40x lens).



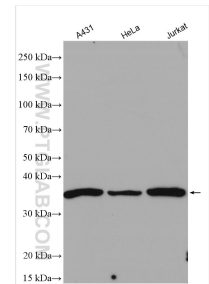
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 10205-2-AP (PCNA antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



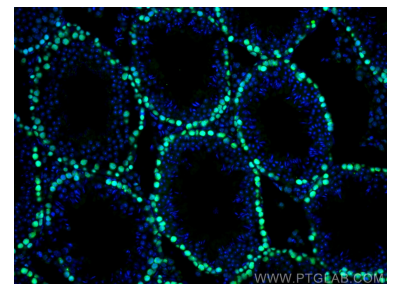
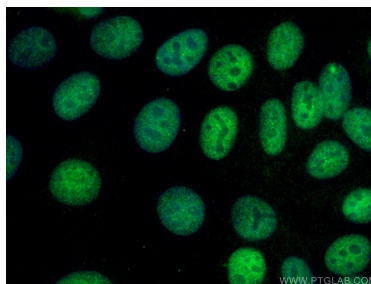
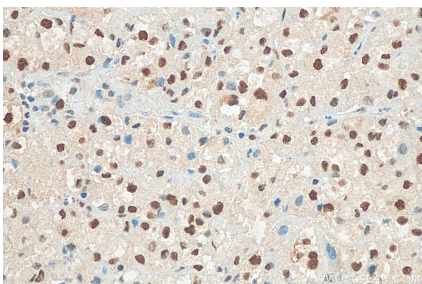
IP result of anti-PCNA(IP:10205-2-AP, 4ug; Detection:10205-2-AP 1:20000) with MCF-7 cells lysate 1880 ug.



Various lysates were subjected to SDS PAGE followed by western blot with 10205-2-AP (PCNA antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 10205-2-AP (PCNA antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10205-2-AP (PCNA antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using PCNA antibody (10205-2-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using PCNA antibody (10205-2-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).