

Nur für Forschungszwecke

PCNA Polyklonaler Antikörper

Katalog-Nr.: 10205-2-AP

Vorgestelltes Produkt

702 Publikationen



Allgemeine Informationen

Katalog-Nr.:
10205-2-AP

Größe:
150ul, Konzentration: 550 µg/ml von
Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG0277

GenBank-Zugangsnummer:
BC000491

GeneID (NCBI):
5111

Vollständiger Name:
proliferating cell nuclear antigen

Berechnete Masse:
29 kDa/31 kDa

Beobachtete Masse:
36-38 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:20000-1:100000

IP 0.5-4.0 µg für IP und 1:500-1:3000
für WB

IHC 1:1000-1:4000

IF 1:300-1:1200

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

Cell treatment, CoIP, IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Fisch, Hamster, Hausschwein, Huhn, Human, Maus,
Rind, Medaka-Embryos, Alligator

**Hinweis-IHC: Antigenmaskierung mit TE-
Puffer pH 9,0 empfohlen. (*) Wahlweise
kann die Antigenmaskierung auch mit
Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB: A431-Zellen, C2C12-Zellen, HeLa-Zellen, HepG2-
Zellen, Jurkat-Zellen, Maushodengewebe,
Mauslebergewebe, Mausmilzgewebe, MCF-7-Zellen,
NIH/3T3-Zellen, PC-12-Zellen, Raji-Zellen,
Rattenhodengewebe, Rattenlebergewebe

IP: MCF-7-Zellen,

IHC: humanes Leberkarzinomgewebe, humanes
Kolonkarzinomgewebe, humanes Magenkrebsgewebe,
humanes malignes Melanomgewebe, humanes
Mammakarzinomgewebe, Mauslebergewebe

IF: HepG2-Zellen, humanes Mammakarzinomgewebe,
Maushodengewebe, MCF-7-Zellen, Neuro-2a-Zellen

Hintergrundinformationen

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 36 kDa (PMID: 1358458).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yongchun Yu	36183674	Transl Oncol	WB
Bing Sun	27684953	PLoS One	WB
Xiaobing Zhao	36169673	J Mol Med (Berl)	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

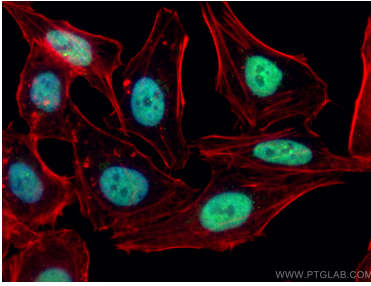
For technical support and original validation data for this product please contact:

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

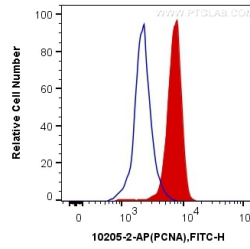
E: proteintech@ptglab.com
W: ptglab.com

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

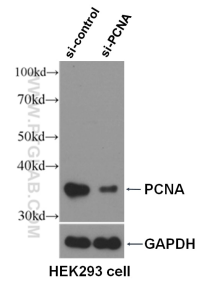
Ausgewählte Validierungsdaten



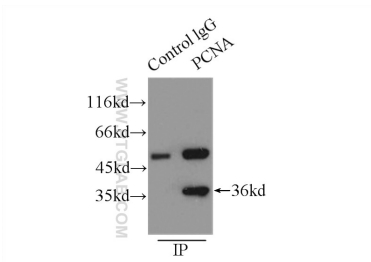
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PCNA antibody (10205-2-AP) at dilution of 1:600 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL94-phalloidin (red), DAPI (Blue).



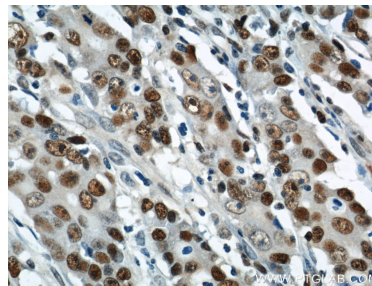
1X10⁶ Jurkat cells were intracellularly stained with 0.2 ug Anti-Human PCNA (10205-2-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), and 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



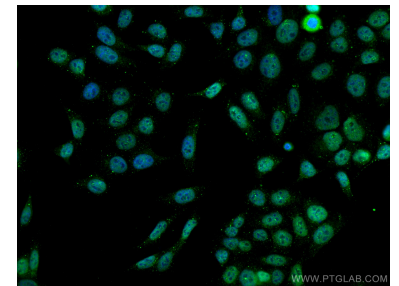
WB result of PCNA antibody (10205-2-AP, 1:10000) with si-control and si-PCNA transfected HEK293 cells.



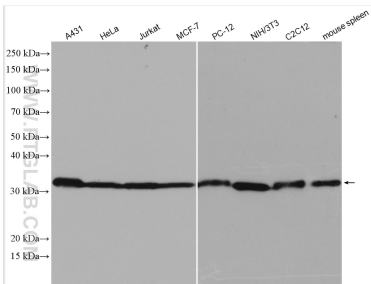
IP Result of anti-PCNA (IP:10205-2-AP, 3ug; Detection:10205-2-AP 1:1500) with MCF-7 cells lysate 2500ug.



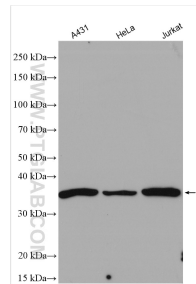
Immunohistochemical analysis of paraffin-embedded human stomach cancer using 10205-2-AP (PCNA antibody) at dilution of 1:500 (under 40x lens).



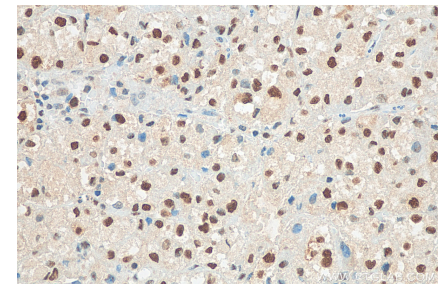
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 10205-2-AP (PCNA antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



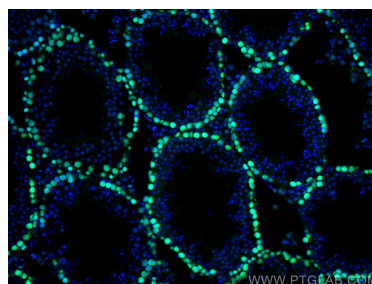
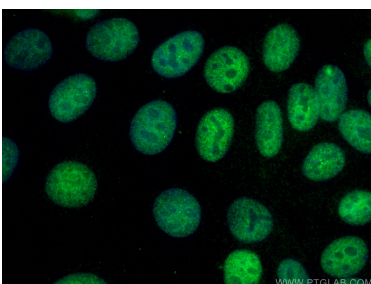
Various lysates were subjected to SDS PAGE followed by western blot with 10205-2-AP (PCNA antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



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).