

Allgemeine Informationen

Katalog-Nr.:

24036-1-AP

Größe:

150ul, Konzentration: 400 µg/ml von Nanodrop und 247 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG7416

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 1:2000-1:14000

IP 0.5-4.0 µg für IP und 1:500-1:2000

für WB

IHC 1:20-1:200

IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, RIP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

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

Positivkontrollen:

WB: HeLa-Zellen, HEK-293-Zellen, HepG2-Zellen, Jurkat-Zellen, Maushodengewebe, MCF-7-Zellen, NIH/3T3-Zellen, Raji-Zellen, Rattenlebergewebe

IP: HEK-293-Zellen,

IHC: humanes Mammakarzinomgewebe, humanes Gliomgewebe, humanes Magenkrebsgewebe

IF: humanes Mammakarzinomgewebe, HepG2-Zellen

Hintergrundinformationen

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 reacts with the 36kd human PCNA protein.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Lingbin Qi	36339749	Heliyon	WB, IF
Bulbul Ahmed	30483742	Int J Oncol	WB
Ning Huang	36435201	Biochem Pharmacol	WB, IF

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

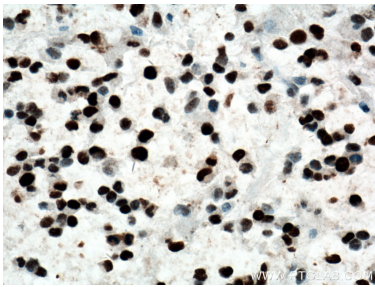
For technical support and original validation data for this product please contact:

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

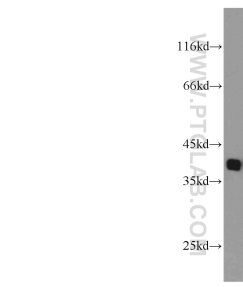
E: proteintech@ptglab.com
 W: ptglab.com

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

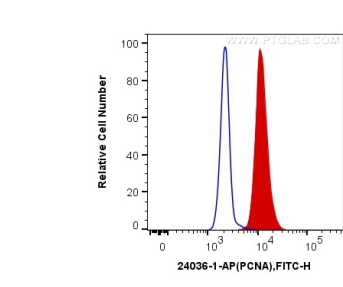
Ausgewählte Validierungsdaten



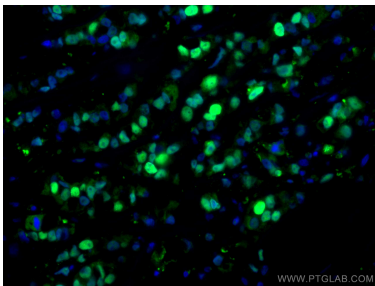
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 24036-1-AP (PCNA antibody) at dilution of 1:1600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



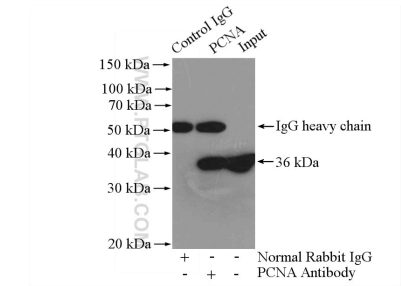
HEK-293 cells were subjected to SDS PAGE followed by western blot with 24036-1-AP (PCNA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



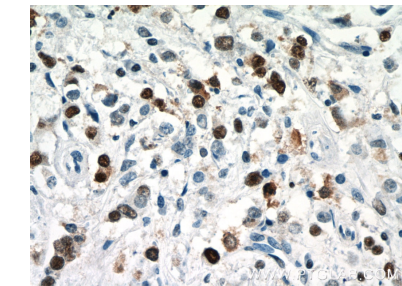
1X10⁶ HeLa cells were intracellularly stained with 0.2 ug Anti-Human PCNA (24036-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



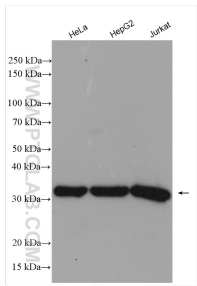
Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using 24036-1-AP (PCNA antibody), at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



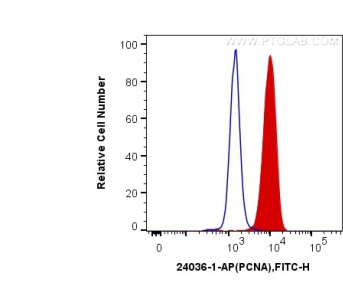
IP Result of anti-PCNA (IP:24036-1-AP, 4ug; Detection:24036-1-AP 1:1000) with HEK-293 cells lysate 2000ug.



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.



1X10⁶ 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).