Nur für Forschungszwecke

PCNA Polyklonaler Antikörper

Katalog-Nr.:CL488-10205 Vorgestelltes Produkt 1 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Allgemeine Informationen

Katalog-Nr.:
CL488-10205

Größe:
100ul , Konzentration: 1000 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG0277

GenBank-Zugangsnummer:
BC000491

GeneID (NCBI):
5111

Vollständiger Name:
proliferating cell nuclear antigen

Berechneté Masse:
29 kDa/31 kDa

Beobachteté Masse:
36-38 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
IF 1:50-1:500

Anregungs-/Emissionsmaxima-Wellenlängen:
493 nm / 522 nm

Anwendungen

Geprüfte Anwendungen:
FC (Intra), IF

In Publikationen genannte Anwendungen:
IF

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human

Positivkontrollen:

IF : humanes Mammakarzinomgewebe,

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 36kDa (PMID: 1358458).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ya Jiang	36198360	J Biol Chem	IF

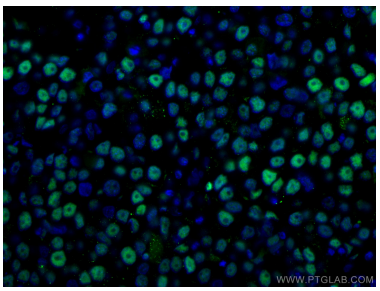
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen.
Lagerungspuffer:
BS mit 50% Glyzerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

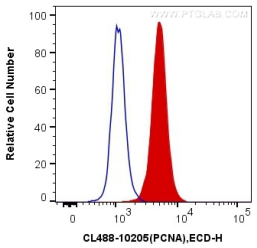
*** 20ul-Größen enthalten 0.1% BSA

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

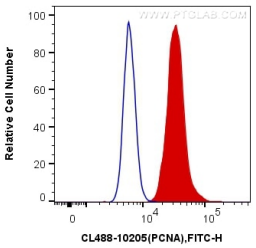
Ausgewählte Validierungsdaten



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CoraLite® Plus 488 PCNA antibody (CL488-10205) at dilution of 1:200.



1X10^6 Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human PCNA (CL488-10205) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



1X10^6 HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human PCNA (CL488-10205) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).