

Allgemeine Informationen

Katalog-Nr.: 22999-1-AP	GenBank-Zugangsnummer: BC037545	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 600 µg/ml von Nanodrop;	GeneID (NCBI): 142	Empfohlene Verdünnungen: WB 1:2000-1:16000 IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB IHC 1:50-1:500 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: poly (ADP-ribose) polymerase 1	
Isotyp: IgG	Berechnete Masse: 1014 aa, 113 kDa	
Immunogen Katalognummer: AG19173	Beobachtete Masse: 113-116 kDa	

Anwendungen

Geprüfte Anwendungen: FC, IF, IHC, IP, WB, ELISA	Positivkontrollen: WB : HEK-293-Zellen, Jurkat-Zellen, K-562-Zellen IP : K-562-Zellen, IHC : humanes Lungenkarzinomgewebe, humanes Mammakarzinomgewebe IF : Neuro-2a-Zellen,
In Publikationen genannte Anwendungen: WB	
Getestete Reaktivität: Human, Maus	
Zitierte Arten: Human	

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

Hintergrundinformationen

PARP1 (poly(ADP-ribose) polymerase 1) is a nuclear enzyme catalyzing the poly(ADP-ribosyl)ation of many key proteins in vivo. The normal function of PARP1 is the routine repair of DNA damage. Activated by DNA strand breaks, the PARP1 is cleaved into an 85 to 89-kDa COOH-terminal fragment and a 24-kDa NH2-terminal peptide by caspases during the apoptotic process. The appearance of PARP fragments is commonly considered as an important biomarker of apoptosis. In addition to caspases, other proteases like calpains, cathepsins, granzymes and matrix metalloproteinases (MMPs) have also been reported to cleave PARP1 and gave rise to fragments ranging from 42-89-kD. This antibody was generated against the N-terminal region of human PARP1 and it recognizes the full-length as well as the cleavage of the PARP1.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Mingming Yang	35648484	Nucleic Acids Res	WB
Yongxiang Zou	28938551	Oncotarget	WB
Xiaosong Wei	32194406	Front Pharmacol	WB

Lagerung

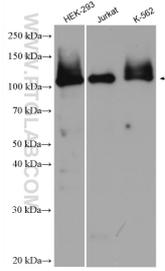
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

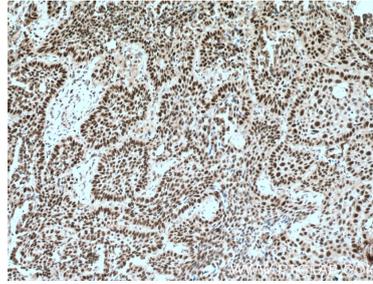
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

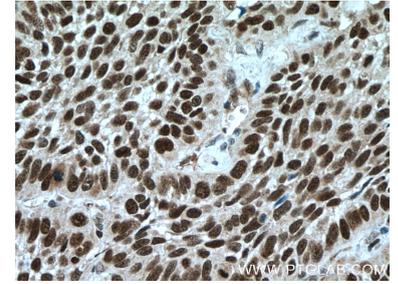
Ausgewählte Validierungsdaten



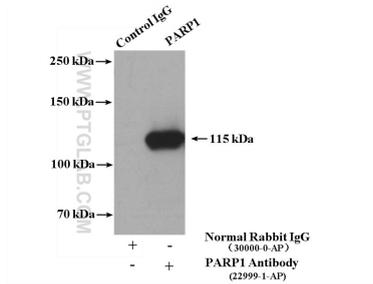
Various lysates were subjected to SDS PAGE followed by western blot with 22999-1-AP (PARP1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



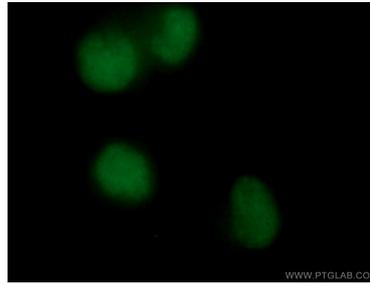
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 22999-1-AP (PARP1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



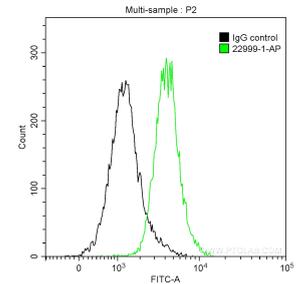
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 22999-1-AP (PARP1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-PARP1 (IP:22999-1-AP, 4ug; Detection:22999-1-AP 1:1000) with K-562 cells lysate 3200ug.



Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using 22999-1-AP (PARP1 antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1×10^6 K-562 cells were intracellularly stained with 0.2 ug Anti-Human PARP1 (22999-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.