

Nur für Forschungszwecke

PARP1 Polyklonaler Antikörper

Katalog-Nr.: 13371-1-AP

Vorgestelltes Produkt

502 Publikationen



Allgemeine Informationen

Katalog-Nr.:

13371-1-AP

Größe:

150ul, Konzentration: 500 µg/ml von Nanodrop;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG4193

GenBank-Zugangsnummer:

BC037545

GeneID (NCBI):

142

Vollständiger Name:

poly (ADP-ribose) polymerase 1

Berechnete Masse:

1014 aa, 113 kDa

Beobachtete Masse:

113-116 kDa, 89 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:8000

IP 0.5-4.0 µg für IP und 1:500-1:1000

für WB

IHC 1:1000-1:4000

IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Affe, Hausschwein, Human, Hund, Maus, Ratte, Pilz

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

Positivkontrollen:

WB: Jurkat-Zellen, C6-Zellen, HeLa-Zellen, mit Cobaltchlorid behandelte HeLa-Zellen, mit Fas-Antikörper behandelte HeLa-Zellen, THP-1-Zellen

IP: K-562-Zellen,

IHC: Maus-Kolongewebe, humanes Leberkarzinomgewebe, humanes Lungenkarzinomgewebe, humanes Mammakarzinomgewebe, Maushodengewebe

IF: Neuro-2a-Zellen, Maushodengewebe, MCF-7-Zellen

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-kDa. This antibody was generated against the C-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
Di Cui	36175877	BMC Cancer	WB
Faisal Aziz	26427350	Toxicol In Vitro	WB
Lei Zhang	34592228	Life Sci	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

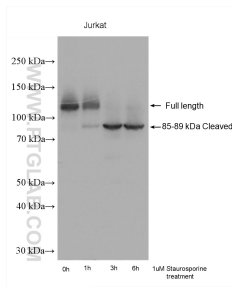
For technical support and original validation data for this product please contact:

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

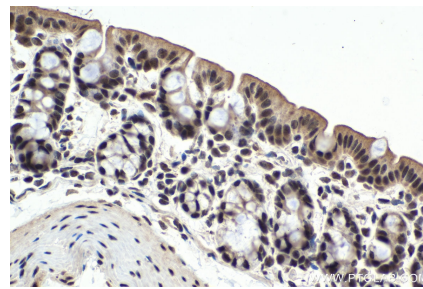
E: proteintech@ptglab.com
W: ptglab.com

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

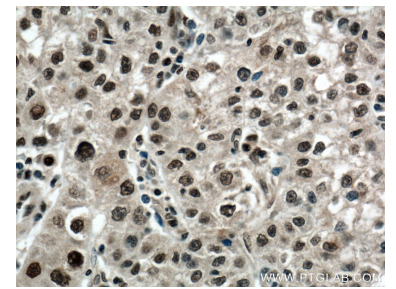
Ausgewählte Validierungsdaten



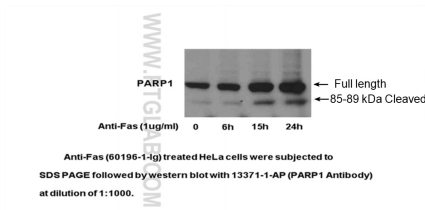
Jurkat cells (25 µg/lane) were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



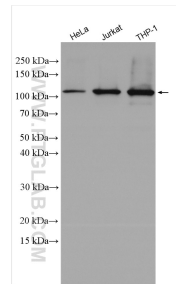
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



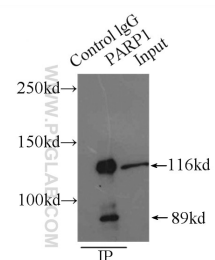
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



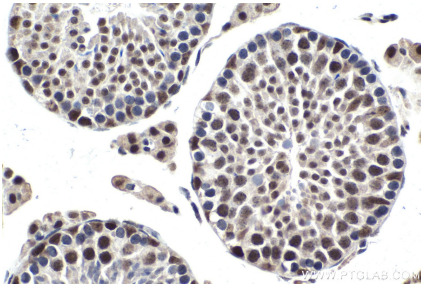
Anti-Fas treated HeLa cells were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 Antibody) at dilution of 1:1000 incubated at 4 degree celsius over night.



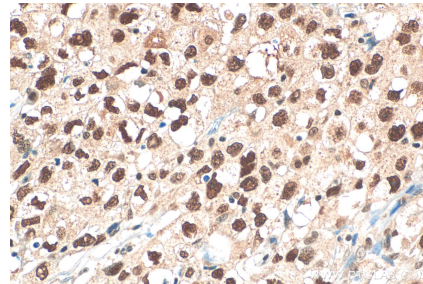
Various lysates were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



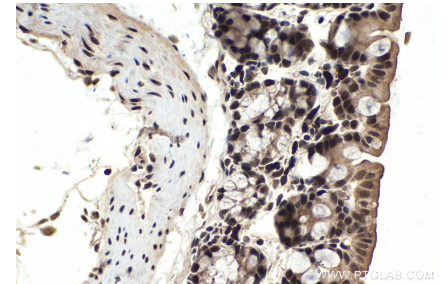
IP Result of anti-PARP1 (IP:13371-1-AP, 4µg; Detection:13371-1-AP 1:600) with K-562 cells lysate 5000µg.



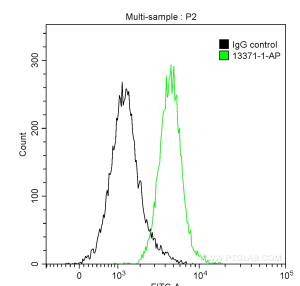
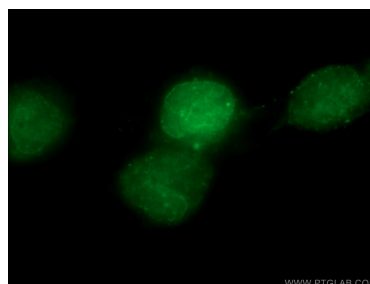
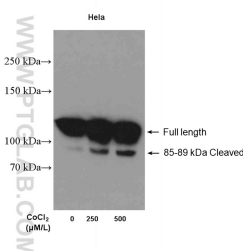
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Cobalt Chloride treated HeLa cells were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using 13371-1-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 (13371-1-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.