À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-PARP1

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

Numéro de catalogue:13371-1-AP Phare 530 Publications

Informations de base

Numéro de catalogue:
13371-1-AP

Taille:
150ul , Concentration: 500 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG4193

Numéro d'acquisition GenBank:
BC037545

Identification du gène (NCBI):
142

Nom complet:
poly (ADP-ribose) polymerase 1

MW calculé
1014 aa, 113 kDa

MW observés:
113-116 kDa, 89 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:8000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:1000-1:4000
IF 1:50-1:500

Applications

Applications testées:
FC (Intra), IF, IHC, IP, WB, ELISA

Demandes citées:
CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
canin, Humain, porc, rat, singe, souris, Champignon

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules Jurkat, cellules C6, cellules HeLa, cellules HeLa traitées à l'anticorps Fas, cellules HeLa traitées au chlorure de cobalt, cellules THP-1

IP : cellules K-562,

IHC : tissu de côlon de souris, tissu de cancer du foie humain, tissu de cancer du poumon humain, tissu de cancer du sein humain, tissu testiculaire de souris

IF : cellules Neuro-2a, cellules MCF-7, tissu testiculaire de souris

Informations générales

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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Di Cui	36175877	BMC Cancer	WB
Faisal Aziz	26427350	Toxicol In Vitro	WB
Kenan Yıldızhan	34583611	J Recept Signal Transduct Res	WB

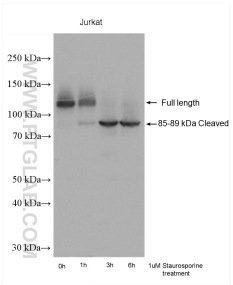
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

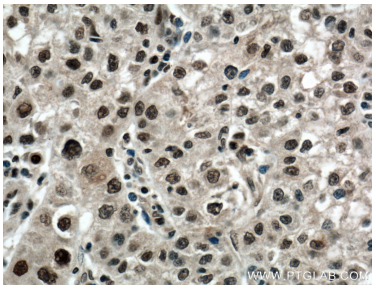
*** Les 20ul contiennent 0,1% de BSA.

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

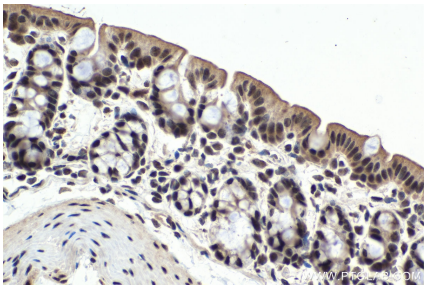
Données de validation sélectionnées



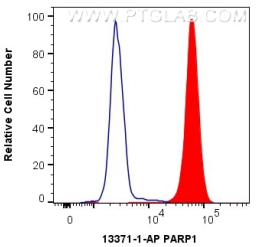
Jurkat cells (25 µg/lane) were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



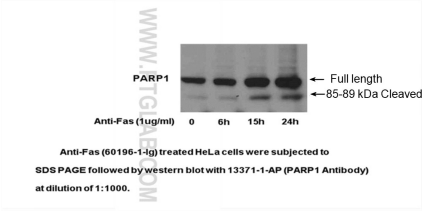
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



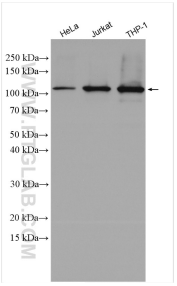
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



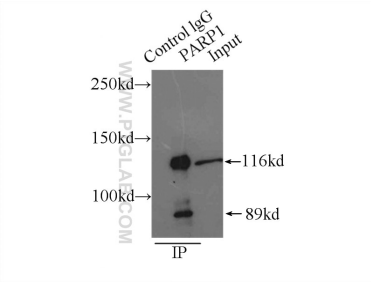
1X10^6 K-562 cells were intracellularly stained with 0.4 ug Anti-Human PARP1 (13371-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



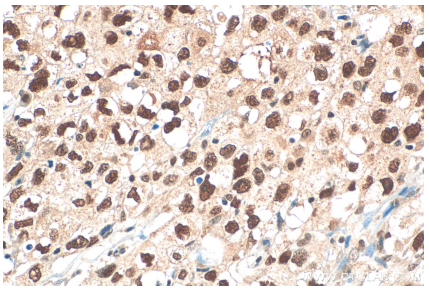
Anti-Fas treated HeLa cells were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 Antibody) at dilution of 1:1000 incubated at 4 degree celsius over night.



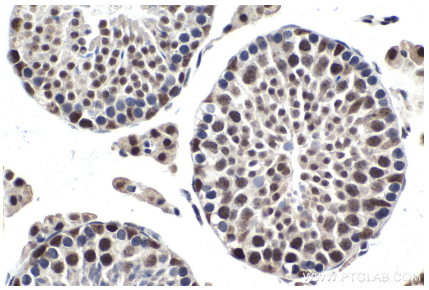
Various lysates were subjected to SDS PAGE followed by western blot with 13371-1-AP (PARP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



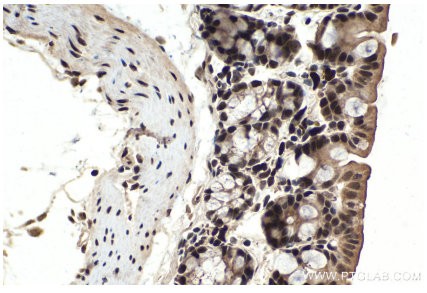
IP Result of anti-PARP1 (IP:13371-1-AP, 4ug; Detection:13371-1-AP 1:600) with K-562 cells lysate 5000ug.

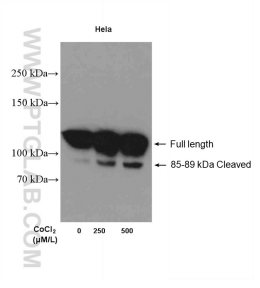


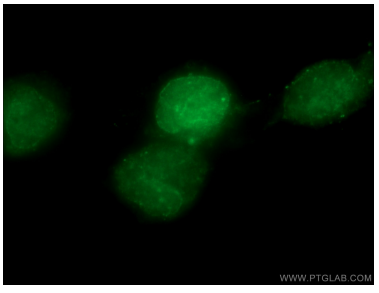
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 13371-1-AP (PARP1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse 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 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).