À des fins de recherche uniquement

Anticorps Monoclonal anti-PARP1

Numéro de catalogue:CL594-66520

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

Informations de base

Numéro de catalogue:
CL594-66520

Taille:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Hôte:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG19173

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, 85-89 kDa

Méthode de purification:
Purification par protéine G

CloneNo.:
1D7D4

Dilutions recommandées:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Applications testées:
FC (Intra), IF

Spécificité de l'espèce:
Humain, rat, souris

Contrôles positifs:

IF : cellules HeLa, cellules Neuro-2a

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-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.

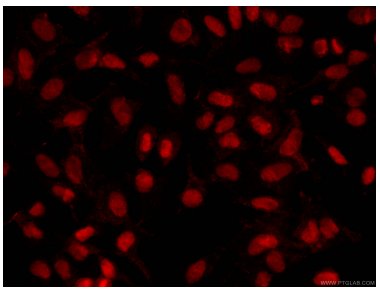
Stockage

Stockage:
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.
L'aliquotage n'est pas nécessaire pour le stockage à -20C

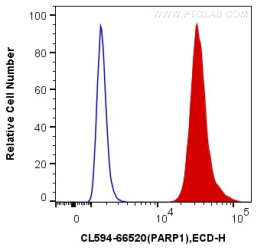
***** Les 20ul contiennent 0,1% de BSA.**

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

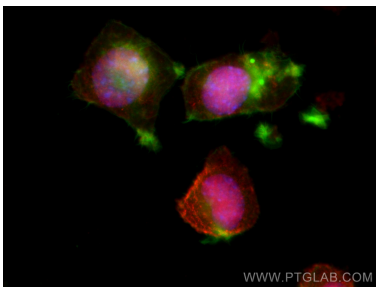
Données de validation sélectionnées



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CL594-66520 (PARP1 antibody) at dilution of 1:100.



1X10^6 HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human PARP1 (CL594-66520, Clone:1D7D4) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using CoraLite®594 PARP1 antibody (CL594-66520, Clone: 1D7D4) at dilution of 1:2000, CL488-Phalloidin (green).