

Nur für Forschungszwecke

# PARP1 Monoklonaler Antikörper

Katalog-Nr.:CL488-66520



## Allgemeine Informationen

<b>Katalog-Nr.:</b> CL488-66520	<b>GenBank-Zugangsnummer:</b> BC037545	<b>Reinigungsmethode:</b> Protein-G-Reinigung
<b>Größe:</b> 100ul , Konzentration: 2000 µg/ml von142 Nanodrop;	<b>GeneID (NCBI):</b> poly (ADP-ribose) polymerase 1	<b>CloneNo.:</b> 1D7D4
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> poly (ADP-ribose) polymerase 1	<b>Empfohlene Verdünnungen:</b> IF 1:50-1:500
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 1014 aa, 113 kDa	<b>Anregungs-/Emissionsmaxima- Wellenlängen:</b> 491 nm / 516 nm
<b>Immunogen Katalognummer:</b> AG19173		

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC (Intra), IF	<b>Positivkontrollen:</b> IF : humanes Lungenkarzinomgewebe, Neuro-2a- Zellen
<b>Getestete Reaktivität:</b> Human, Maus	

## 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.

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.  
**Lagerungspuffer:**  
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.  
**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

\*\*\* 20ul-Größen enthalten 0.1% BSA

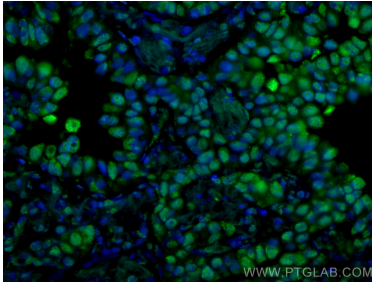
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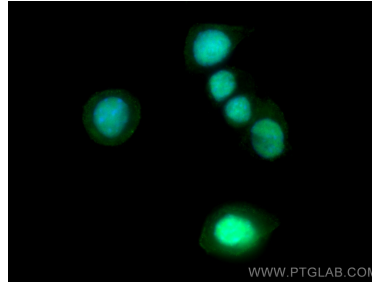
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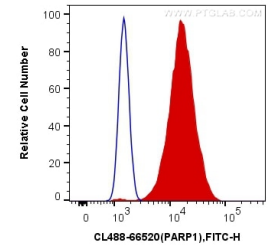
## Ausgewählte Validierungsdaten



Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using CoraLite®488 PARP1 antibody (CL488-66520, Clone: 1D7D4) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using CoraLite®488 PARP1 antibody (CL488-66520, Clone: 1D7D4) at dilution of 1:1600.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug CoraLite®488 Anti-Human PARP1 (CL488-66520, Clone:1D7D4) (red), or 0.2 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).