

Nur für Forschungszwecke

# Phospho-P53 (Ser15) Rekombinanter Antikörper



Katalog-Nr.: 80195-1-RR

2 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 80195-1-RR	<b>GenBank-Zugangsnummer:</b> BC003596	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 100ul, Konzentration: 250 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 7157	<b>CloneNo.:</b> 2J21
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> tumor protein p53	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:10000
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 44 kDa	
	<b>Beobachtete Masse:</b> 53 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, WB, ELISA	<b>Positivkontrollen:</b> WB : mit Etoposid behandelte HT-29-Zellen, mit UV behandelte A431-Zellen
<b>In Publikationen genannte Anwendungen:</b> WB	
<b>Getestete Reaktivität:</b> Human	
<b>Zitierte Arten:</b> Human	

## Hintergrundinformationen

P53 is a 53 kDa protein that is activated in response to alteration of normal cell homeostasis, including DNA damage, nutrient starvation, heat shock, virus infection, pH change, hypoxia, and oncogene activation. P53 maintains genetic stability by regulating different processes, such as cell-cycle arrest, DNA synthesis and repair, programmed cell death, and energy metabolism. In non-stressed conditions these proteins bind p53, ubiquitylate it and target it for degradation by the proteasome. In stressed conditions the function of the Mdm2-Mdm4 complex is blocked by phosphorylation, protein-binding events and/or enhanced degradation. (PMID: 19935675, PMID: 24379683)

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Andreas Müller	37174691	Cells	
Xiao Cui	36690696	Sci Rep	WB

## Lagerung

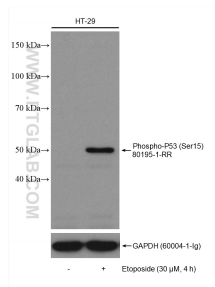
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

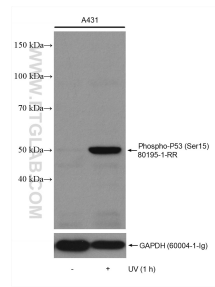
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

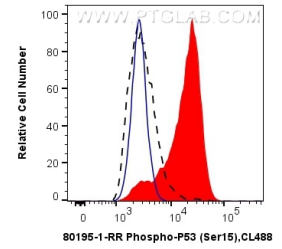
## Ausgewählte Validierungsdaten



Non-treated and etoposide treated HT-29 cells were subjected to SDS PAGE followed by western blot with 80195-1-RR (Phospho-P53 (Ser15) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



Non-treated and UV treated A431 cells were subjected to SDS PAGE followed by western blot with 80195-1-RR (Phospho-P53 (Ser15) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



1X10<sup>6</sup> A431 cells untreated (dashed line) or treated with UV (red) were intracellularly stained with 0.13 µg Anti-Human Phospho-P53 (Ser15) (80195-1-RR, Clone:2J21) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000, or 0.13 µg Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.