À des fins de recherche uniquement

# Anticorps Monoclonal anti-Phospho-P53 (Ser46)

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

Numéro de catalogue:67900-1-Ig

## Informations de base

Numéro de catalogue:
67900-1-Ig

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

Hôte:
Mouse

Isotype:
IgG1

Numéro d'acquisition GenBank:
BC003596

Identification du gène (NCBI):
7157

Nom complet:
tumor protein p53

MW calculé
44 kDa

MW observés:
53 kDa

Méthode de purification:
Purification par protéine G

CloneNo.:
1D10A12

Dilutions recommandées:
WB 1:5000-1:50000
IHC 1:500-1:2000
IF 1:200-1:800

## Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Spécificité de l'espèce:
Humain

***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 HT-29, cellules A431 traitées aux UV, cellules HEK-293 traitées à la calyculine A, cellules HT-29 traitées à la calyculine A, cellules HT-29 traitées à l'étoposide

IHC : tissu de cancer du côlon humain,

IF : cellules HT-29 traitées à l'étoposide,

## Informations générales

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)

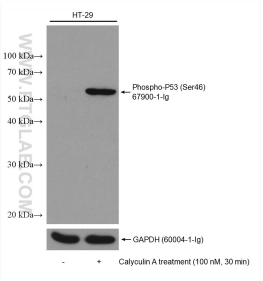
## Stockage

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

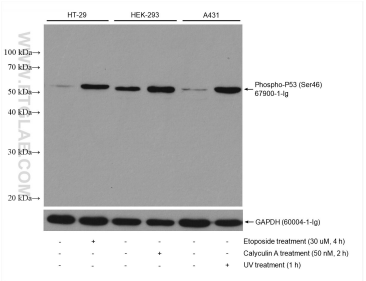
***** Les 20ul contiennent 0,1% de BSA.**

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

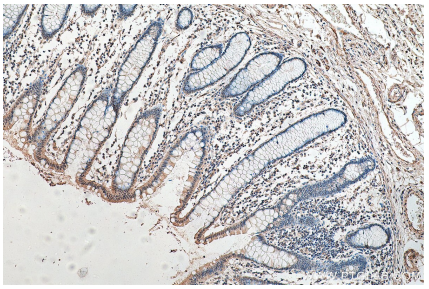
## Données de validation sélectionnées



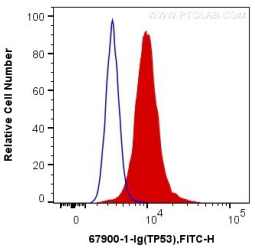

Non-treated and Calyculin A treated HT-29 cells were subjected to SDS PAGE followed by western blot with 67900-1-Ig (Phospho-P53 (Ser46) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



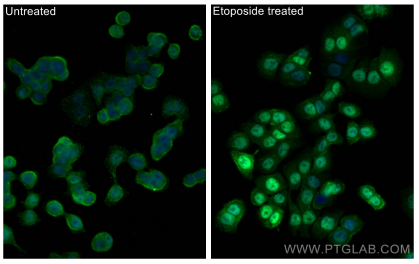

Various lysates were subjected to SDS PAGE followed by western blot with 67900-1-Ig (Phospho-P53 (Ser46) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67900-1-Ig (Phospho-P53 (Ser46) antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).




1X10^6 HEK-293 cells were intracellularly stained with 0.25 ug Anti-Human Phospho-P53 (Ser46) (67900-1-Ig, Clone:1D10A12) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.25 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).




Immunofluorescent analysis of (4% PFA) fixed etoposide treated HT-29 cells using Phospho-P53 (Ser46) antibody (67900-1-Ig, Clone: 1D10A12 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).