Nur für Forschungszwecke

Phospho-P53 (Ser46) Monoklonaler Antikörper

Katalog-Nr.:67900-1-Ig

proteintech®
Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
67900-1-Ig

Größe:
100ul , Konzentration: 1000 μg/ml von Nanodrop;

Wirt:
Maus

Isotyp:
IgG1

GenBank-Zugangsnummer:
BC003596

GeneID (NCBI):
7157

Vollständiger Name:
tumor protein p53

Berechneté Masse:
44 kDa

Beobachteté Masse:
53 kDa

Reinigungsmethode:
Protein-G-Reinigung

CloneNo.:
1D10A12

Empfohlene Verdünnungen:
WB 1:5000-1:50000
IHC 1:500-1:2000

Anwendungen

Geprüfte Anwendungen:
FC, IHC, WB, ELISA

Getestete Reaktivität:
Human

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : HT-29-Zellen, Mit Calyculin A behandelte HEK-293-Zellen, mit Calyculin A behandelte HT-29-Zellen, mit Etoposid behandelte HT-29-Zellen, mit UV behandelte A431-Zellen

IHC : humanes Kolonkarzinomgewebe,

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)

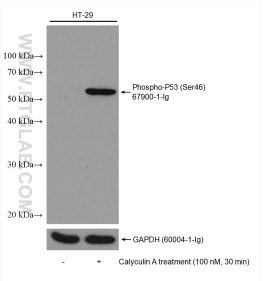
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern.
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

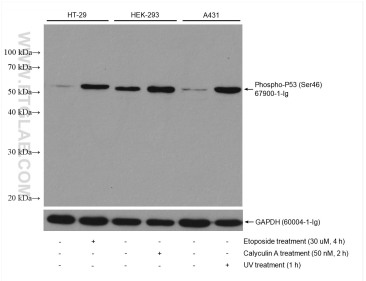
*** 20ul-Größen enthalten 0.1% BSA

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

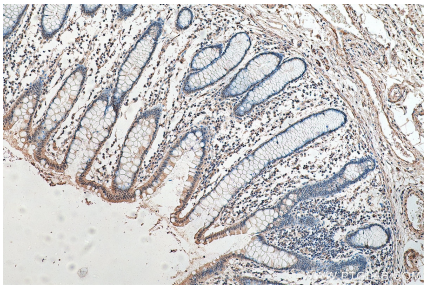
Ausgewählte Validierungsdaten



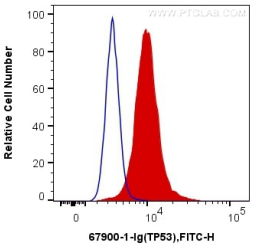
Non-treated and Calyculin A treated HT-29 cells were subjected to SDS PAGE followed by western blot with 67900-1-Ig (Phospho-P53 (Ser46) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



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).