For Research Use Only

Phospho-P53 (Ser46) Polyclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:28960-1-AP 5 Publications

Basic Information

Catalog Number:
28960-1-AP

Size:
260 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC003596

GeneID (NCBI):
7157

UNIPROT ID:
P04637

Full Name:
tumor protein p53

Calculated MW:
44 kDa

Observed MW:
53 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
Human

Cited Species:
human

Positive Controls:

WB : HT-29 cells, λ phosphatase treated HT-29 cells

Background Information

The p53 tumor suppressor protein plays a major role in cellular response to DNA damage and other genomic aberrations. Activation of p53 can lead to either cell cycle arrest and DNA repair or apoptosis. Phosphorylation of p53 at Ser46 regulates the ability of p53 to induce apoptosis. Homeodomain-interacting protein kinase 2 (HIPK2) Phosphorylates Ser46 off p53 and p38 can phosphorylate this site .

Notable Publications

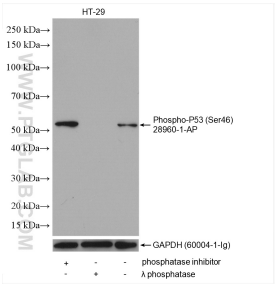
Author	Pubmed ID	Journal	Application
Chieh-Hsin Chen	34708319	Apoptosis	WB
Shangwei Hu	36535509	Exp Cell Res	WB
Yan Xu	38263609	Cell Biol Int	WB

Storage

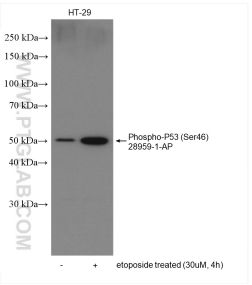
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Non-treated HT-29, phosphatase inhibitor treated and λ phosphatase treated HT-29 cells were subjected to SDS PAGE followed by western blot with 28960-1-AP (Phospho-P53 (Ser46) antibody) at dilution of 1:2000 incubated at 4℃ overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



Non-treated and etoposide treated HT-29 cells were subjected to SDS PAGE followed by western blot with 28959-1-AP (Phospho-P53 (Ser46) antibody) at dilution of 1:2000 incubated at room temperature for 1 hours.