

For Research Use Only

Phospho-P53 (Ser46) Recombinant monoclonal antibody

Catalog Number:80077-9-RR



Basic Information

Catalog Number: 80077-9-RR	GenBank Accession Number: BC003596	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7157	CloneNo.: 250307A3
Source: Rabbit	UNIPROT ID: P04637	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:250-1:1000
Isotype: IgG	Full Name: tumor protein p53	
	Calculated MW: 44 kDa	
	Observed MW: 53 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : etoposide treated HT-29 cells, nocodazole treated A431 cells
	IF/ICC : etoposide 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.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

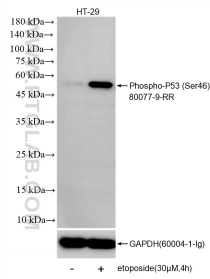
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

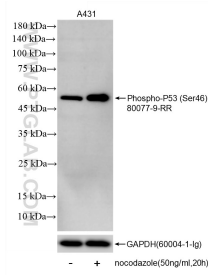
E: proteintech@ptglab.com
W: ptglab.com

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

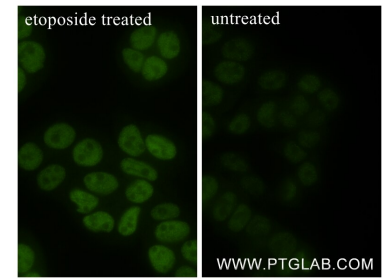
Selected Validation Data



Non-treated HT-29 cells and etoposide treated HT-29 cells were subjected to SDS PAGE followed by western blot with 80077-9-RR (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 (60004-1-Ig) antibody as a loading control.



Non-treated A431 cells and nocodazole treated A431 cells were subjected to SDS PAGE followed by western blot with 80077-9-RR (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 (60004-1-Ig) antibody as a loading control.



Immunofluorescent analysis of (4% PFA) fixed etoposide treated HT-29 cells using Phospho-P53 (Ser46) antibody (80077-9-RR, Clone: 250307A3) at dilution of 1:500 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).