

For Research Use Only

Phospho-P53 (Ser15) Monoclonal antibody, PBS Only



Catalog Number: 67826-1-PBS

Basic Information

Catalog Number: 67826-1-PBS	GenBank Accession Number: BC003596	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7157	CloneNo.: 1H6G1
Source: Mouse	UNIPROT ID: P04637	
Isotype: IgG1	Full Name: tumor protein p53	
	Calculated MW: 44 kDa	
	Observed MW: 53 kDa	

Applications

Tested Applications:
WB, IF, FC, Indirect ELISA

Species Specificity:
Human

Background Information

TP53, also known as P53 and NY-CO-13, belongs to the p53 family and has 9 isoforms. In SDS-Page, the observed molecular weight is about 53 kDa. TP53 acts as a tumor suppressor in many tumor types, including growth arrest or apoptosis depending on the physiological circumstances and cell types. It is involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. TP53 Localizes in the nucleus in most cells but found in the cytoplasm in some cells. (PMID: 26166714; PMID: 25225161)

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

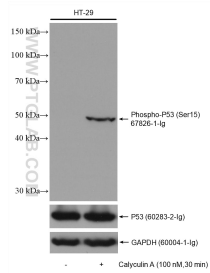
For technical support and original validation data for this product please contact:

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

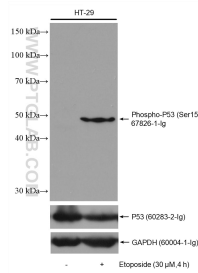
E: proteintech@ptglab.com
W: ptglab.com

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

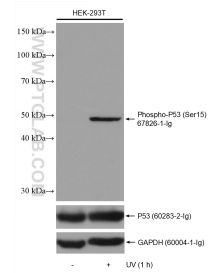
Selected Validation Data



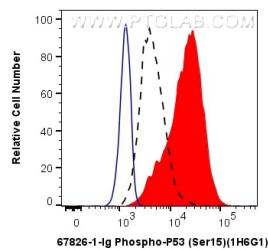
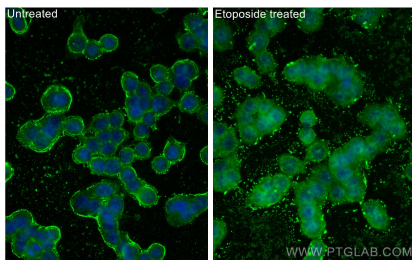
Non-treated and Calyculin A treated HT-29 cells were subjected to SDS PAGE followed by western blot with 67826-1-Ig (Phospho-P53 (Ser15) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with GAPDH and P53 antibody subsequently. This data was developed using the same antibody clone with 67826-1-PBS in a different storage buffer formulation.



Non-treated and Etoposide treated HT-29 cells were subjected to SDS PAGE followed by western blot with 67826-1-Ig (Phospho-P53 (Ser15) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with GAPDH and P53 antibody subsequently. This data was developed using the same antibody clone with 67826-1-PBS in a different storage buffer formulation.



Non-treated and UV treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 67826-1-Ig (Phospho-P53 (Ser15) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with GAPDH and P53 antibody subsequently. This data was developed using the same antibody clone with 67826-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed etoposide treated HT-29 cells using Phospho-P53 (Ser15) antibody (67826-1-Ig, Clone: 1H6G1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67826-1-PBS in a different storage buffer formulation.

1X10⁶ HT-29 cells untreated (dashed line) or treated with UV (red) were intracellularly stained with 0.13 ug Anti-Human Phospho-P53 (Ser15) (67826-1-Ig, Clone:1H6G1) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000, or 0.13 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH. This data was developed using the same antibody clone with 67826-1-PBS in a different storage buffer formulation.