

For Research Use Only

# Phospho-P53 (Ser392) Recombinant antibody, PBS Only

Catalog Number:80077-2-PBS



## Basic Information

<b>Catalog Number:</b> 80077-2-PBS	<b>GenBank Accession Number:</b> BC003596	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 7157	<b>CloneNo.:</b> 241575F6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P04637	
<b>Isotype:</b> IgG	<b>Full Name:</b> tumor protein p53	
	<b>Calculated MW:</b> 44 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, FC (Intra), Indirect ELISA

**Species Specificity:**  
human

## Background Information

P53 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)

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

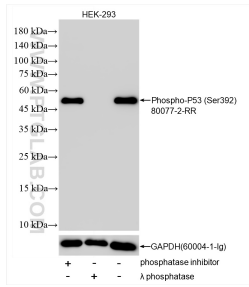
T: 4006900926

E: Proteintech-CN@ptglab.com

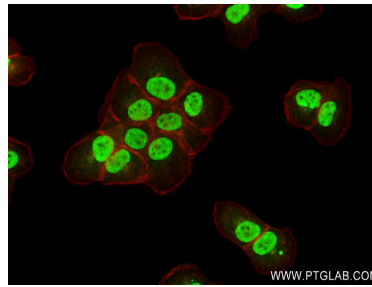
W: ptgcn.com

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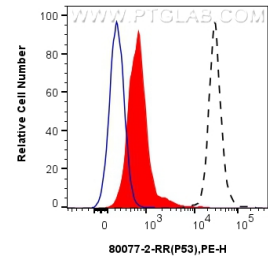
## Selected Validation Data



Phosphatase inhibitor treated or λ phosphatase treated or untreated HEK-293 cells were subjected to SDS PAGE followed by western blot with 80077-2-RR (Phospho-P53 (Ser392) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80077-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using Phospho-P53 (Ser392) antibody (80077-2-RR, Clone: 241575F6) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 80077-2-PBS in a different storage buffer formulation.



$1 \times 10^6$  λ phosphatase treated HeLa cells were intracellularly stained with 0.2 ug Phospho-P53 (Ser392) Recombinant Antibody (80077-2-RR, Clone:241575F6)(red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9)(blue) and PE-conjugated Goat Anti-Rabbit IgG.  $1 \times 10^6$  untreated HeLa cells were intracellularly stained with 0.2 ug Phospho-P53 (Ser392) Recombinant Antibody (80077-2-RR, Clone:241575F6) and PE-conjugated Goat

