

For Research Use Only

# Phospho-P53 (Ser392) Recombinant antibody

Catalog Number:80077-2-RR



## Basic Information

Catalog Number:

80077-2-RR

Size:

1000  $\mu$ g/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC003596

GeneID (NCBI):

7157

UNIPROT ID:

P04637

Full Name:

tumor protein p53

Calculated MW:

44 kDa

Purification Method:

Protein A purification

CloneNo.:

241575F6

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB :  $\lambda$  phosphatase treated HEK-293 cells,

IF/ICC : A431 cells,

## 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 -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:

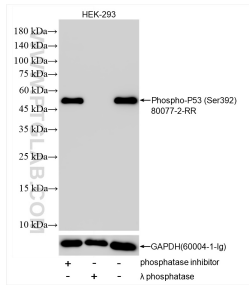
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

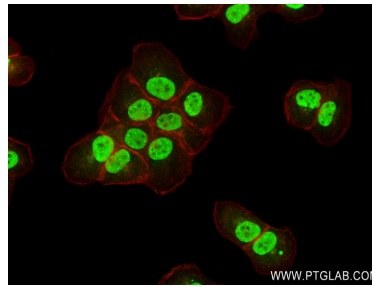
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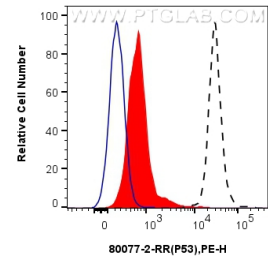
## Selected Validation Data



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.



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).



$1 \times 10^6$  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