

For Research Use Only

Phospho-P53 (Ser392) Recombinant antibody

Catalog Number:80077-2-RR



Basic Information

Catalog Number: 80077-2-RR	GenBank Accession Number: BC003596	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7157	CloneNo.: 241575F6
Source: Rabbit	UNIPROT ID: P04637	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: tumor protein p53	
	Calculated MW: 44 kDa	
	Observed MW: 53 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : λ phosphatase treated HEK-293 cells,
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 -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

*** 20ul sizes contain 0.1% BSA

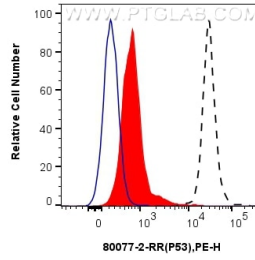
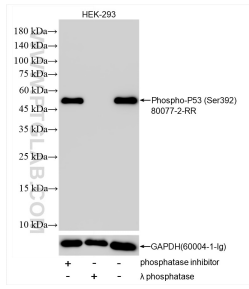
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Selected Validation Data



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.

1×10^6 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. 1×10^6 untreated HeLa cells were intracellularly stained with 0.2 ug Phospho-P53 (Ser392) Recombinant Antibody (80077-2-RR, Clone:241575F6) and PE-conjugated

