

For Research Use Only

Phospho-P53 (Ser392) Recombinant antibody, PBS Only

Catalog Number: 80077-2-PBS



Basic Information

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

Applications

Tested Applications:
WB, 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.

Storage Buffer:
PBS Only

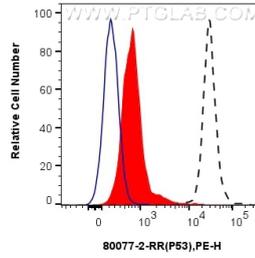
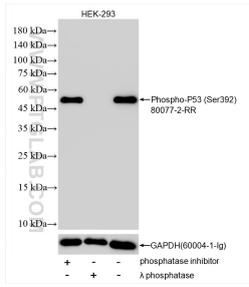
For technical support and original validation data for this product please contact:

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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.

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

