

Phospho-p53 (Ser46) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Non-human primate
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding pSer46 of human p53
Form	Liquid
Concentration	20 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20°C
RRID	AB_10986729

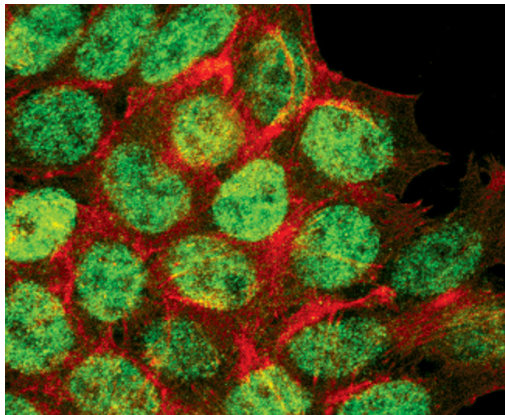
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunocytochemistry (ICC/IF)	1:50	-
Flow Cytometry (Flow)	1:100	-
Immunoprecipitation (IP)	1:100	-

Product Specific Information

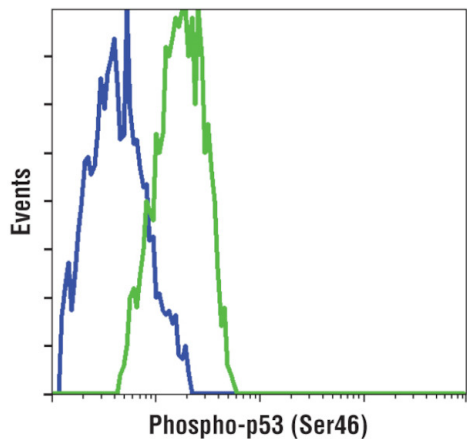
It is not recommended to aliquot this antibody.

This antibody is not cross-reactive with p53 phosphorylated at other sites.

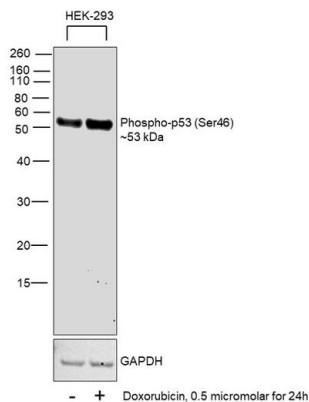
Product Images For Phospho-p53 (Ser46) Polyclonal Antibody



Phospho-p53 (Ser46) Antibody (PA5-17817) in ICC/IF
Immunofluorescent analysis of Phospho-p53 pSer46 in MCF-7 cells, etoposide-treated, using a Phospho-p53 pSer46 polyclonal antibody (Product # PA5-17817) (green). Actin filaments are labeled with a fluorescent red phalloidin.



Phospho-p53 (Ser46) Antibody (PA5-17817) in Flow
Flow cytometric analysis of Phospho-p53 pSer46 in untreated (blue) or UV-treated (green) HT-29 cells using a Phospho-p53 pSer46 polyclonal antibody (Product # PA5-17817).



Phospho-p53 (Ser46) Antibody (PA5-17817) in WB
Western blot was performed using Anti-Phospho-p53 (Ser46) Polyclonal Antibody (Product # PA5-17817) and a 53kDa band corresponding to phospho-Cellular tumor antigen p53 was observed to be up-regulated in HEK-293 cell line upon Doxorubicin treatment. Whole-cell extracts (30 µg lysate) of HEK-293 (Lane 1), HEK-293 treated with Doxorubicin (0.5 micromolar for 24h) (Lane 2) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody ((1:1000 dilution)) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

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