

Phospho-p53 (Ser20) Polyclonal Antibody

Product Details

Size	100 µL
Species Reactivity	Human, Non-human primate
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding pSer20 of human p53
Form	Liquid
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_10981312

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	1 Publication
Immunocytochemistry (ICC/IF)	1:100	-

Product Specific Information

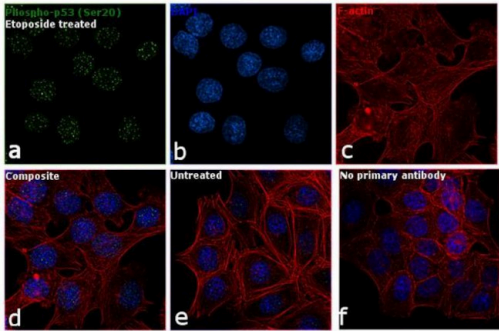
It is not recommended to aliquot this antibody.

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

Product Images For Phospho-p53 (Ser20) Polyclonal Antibody

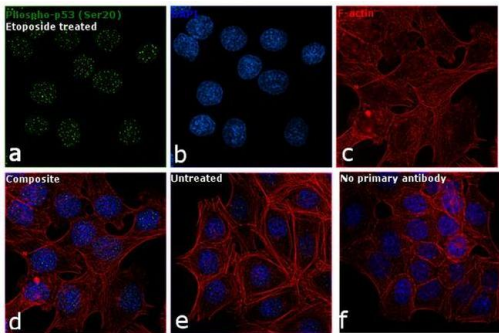
Phospho-p53 (Ser20) Antibody (PA5-17894) in ICC/IF

Immunofluorescence analysis of Phospho-p53 (Ser20) was performed using 70% confluent log phase HCT116 cells treated with etoposide. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Phospho-p53(Ser20) Polyclonal Antibody (Product # PA5-17894) at 1:100 dilution in 0.1% BSA, incubated overnight at 4 degree Celsius and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear localization. Panel e represents the untreated cells with relatively lower expression of Phospho-p53(Ser20). Panel f shows control cells with no primary antibody to assess background. The images were captured at 60X magnification.



Phospho-p53 (Ser20) Antibody (PA5-17894)

Altered expression of target protein upon cell treatment demonstrates antibody specificity. Immunofluorescence analysis of Phospho-p53(Ser20) using Phospho-p53 (Ser20) Antibody (Product # PA5-17894) shows induction of p53 phosphorylation at Ser20 residue in HCT116 cell line upon Etoposide treatment. {TM}



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1 Reference

Western Blot (1)

mBio	Year 2021
Herpes Simplex Virus 1 Manipulates Host Cell Antiviral and Proviral DNA Damage Responses.	Species Human
"Published figure using Phospho-p53 (Ser20) polyclonal antibody (Product # PA5-17894) in Western Blot"	Dilution 1:1000
Authors: Mertens ME,Knipe DM	

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