

Acetyl-p53 (Lys379) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic acetylated peptide corresponding to residues surrounding Lys379 of mouse p53
Form	Liquid
Concentration	163 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_10983350

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunocytochemistry (ICC/IF)	1:100	-
ChIP assay (ChIP)	2 µL/10 ⁶ cells	-

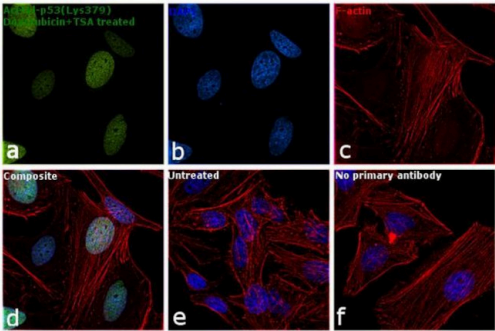
Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For Acetyl-p53 (Lys379) Polyclonal Antibody

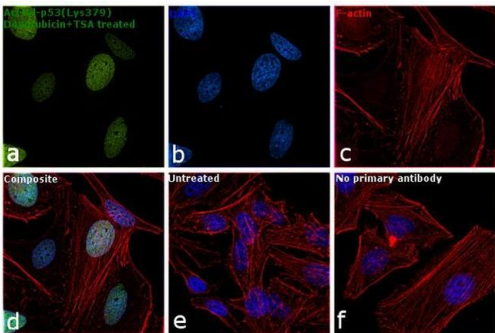
Acetyl-p53 (Lys379) Antibody (PA5-17287) in ICC/IF

Immunofluorescence analysis of Acetyl-p53 (Lys379) was performed using 70% confluent log phase HeLa cells treated with 0.5uM Doxorubicin and 400nM Trichostatin A for 24 hours. 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 Acetyl-p53 (Lys379) Polyclonal Antibody (Product # PA5-17287) 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 negligible expression of Acetyl-p53(Lys 379). Panel f shows control cells with no primary antibody to assess background. The images were captured at 60X magnification.



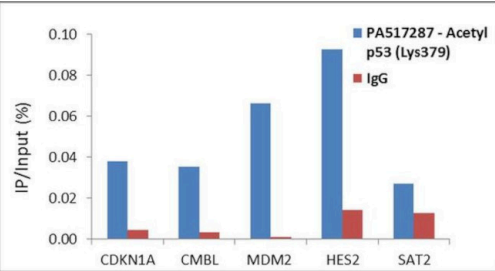
Acetyl-p53 (Lys379) Antibody (PA5-17287)

Altered expression of target protein upon cell treatment demonstrates antibody specificity. Immunofluorescence analysis of Acetyl-p53(Lys379) using Acetyl-p53 (Lys379) Polyclonal Antibody (Product # PA5-17287) shows induction of p53 acetylation at Lys379 residue in HeLa cell line upon Doxorubicin and TSA treatment. {TM}



Acetyl-p53 (Lys379) Antibody (PA5-17287)

Antibody specificity was demonstrated by detection of enrichment of the target protein at specific gene loci. Chromatin Immunoprecipitation (ChIP) was performed using Anti-Acetyl-p53 (Ser379) Rabbit Polyclonal Antibody (Product # PA5-17287) with relevant positive (CDKN1A, CMBL, MDM2, HES2) and negative (SAT2 satellite repeats) target genes/ binding sites. {RE}



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Western Blot (2)

Frontiers in molecular neuroscience	Year 2021
Severe Spinal Cord Injury in Rats Induces Chronic Changes in the Spinal Cord and Cerebral Cortex Metabolism, Adjusted by Thiamine That Improves Locomotor Performance.	
"Published figure using Acetyl-p53 (Lys379) polyclonal antibody (Product # PA5-17287) in Western Blot"	
Authors: Boyko A,Tsepkova P,Aleshin V,Artiukhov A,Mkrtychyan G,Ksenofontov A,Baratova L,Ryabov S,Graf A,Bunik V	

Immunohistochemistry (Paraffin) (1)

Disease models & mechanisms	Year 2016
Deregulated expression of HDAC9 in B cells promotes development of lymphoproliferative disease and lymphoma in mice.	Species Mouse
"PA5-17287 was used in immunohistochemistry - paraffin section and western blot to study histone deacetylase 9 in diffuse large B-cell lymphoma"	
Authors: Gil VS,Bhagat G,Howell L,Zhang J,Kim CH,Stengel S,Vega F,Zelent A,Petrie K	

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