

p53 (Acetyl Lys120) antibody [10E5]

Cat. No. GTX00675

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, ICC/IF, FCM, IP, ELISA
Reactivity	Human

References (2)

Package

100 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	~1 µg/ml
ICC/IF	Assay dependent
FCM	1:100
IP	Assay dependent
ELISA	Assay dependent

Not tested in other applications.

Calculated MW 44 kDa. ([Note](#))

Properties

Form	Liquid
Buffer	PBS, 50% Glycerol
Preservative	No preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	synthetic peptide containing acetyl-Lys315 of human p53
Purification	Purified IgG
Conjugation	Unconjugated

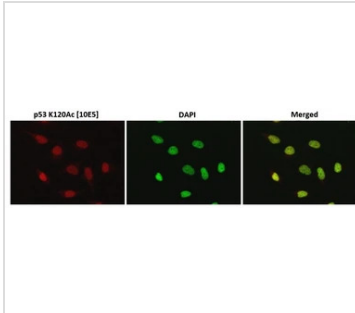


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Note

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DATA IMAGES

GTU00675 ICC/IF Image

ICC/IF analysis of HeLa cells treated with 100 nM Doxorubicin for 24 hrs using GTU00675 p53 (Acetyl Lys120) antibody [10E5].

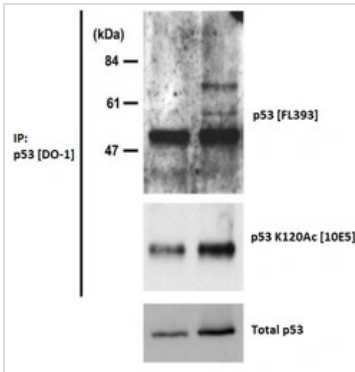
Red : Primary antibody

Green : DAPI

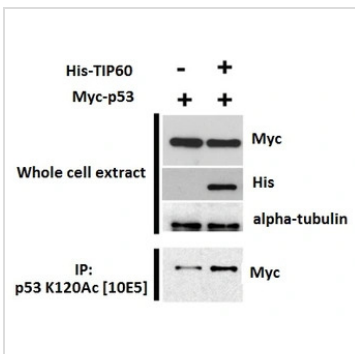
Dilution : 1:1000

Fixation : 4% PFA, overnight

Permeabilization : 0.25% Triton X-100 in PBS for 10 min


GTU00675 WB Image

Samples are crude lysates of HCT116 cells. Left lanes are control. Right lanes are cells treated with siRNA to knockdown the expression of a Tip60 interacting protein UHRF1, which results in increase in acetylation of p53 at Lys120. Total p53 was immuno-precipitated with omnipotent GTU70214 p53 antibody [DO1] from the crude extracts and analyzed by Western blotting with anti-p53 antibody (FL393) (upper panel) or GTU00675 anti-p53 acetyl-K120 monoclonal antibody [10E5] (middle panel). The lower panel shows total p53.


GTU00675 IP Image

IP analysis of various samples using GTU00675 p53 (Acetyl Lys120) antibody [10E5].

Left lane : H1299 cells overexpressing Myc-p53

Right lane : H1299 cells overexpressing both Myc-p53 and His-Tip60

Upper : the whole cell extracts were immuno-blotted with anti-Myc, anti-His-tag or anti-alpha-tubulin antibodies.

Lower : the extracts were immuno-precipitated with anti-p53 Ac-K120 antibody [10E5] and the precipitates were immuno-blotted with anti-Myc antibody. Acetylation of p53 at K120 is dependent on Tip60 and promoted by overexpression of His-Tip60.



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