

p53 Mouse monoclonal antibody

Catalog: MB9015

Host: Mouse

Reactivity: Human

BackGround:

p53, a DNA-binding, oligomerization domain and transcription activation domain-containing tumor suppressor, upregulates growth arrest and apoptosis-related genes in response to stress signals, thereby influencing programmed cell death, cell differentiation and cell cycle control mechanisms. p53 localizes to the nucleus, yet can be chaperoned to the cytoplasm by the negative regulator MDM2, an E3 ubiquitin ligase that is upregulated in the presence of active p53, where MDM2 poly-ubiquitinates p53 for proteasome targeting. p53 fluctuates between latent and active (DNA-binding) conformations and is differentially activated through posttranslational modifications including phosphorylation and acetylation.

Product:

Mouse Ig2b, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 53,43 kDa

Swiss-Prot:

P04637

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:1000

IHC/ICC: 1:100-1:200

FC: 1:100-1:200

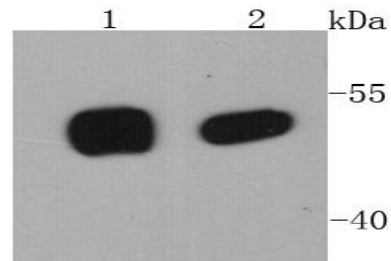
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of p53 and does not cross-react with related proteins.

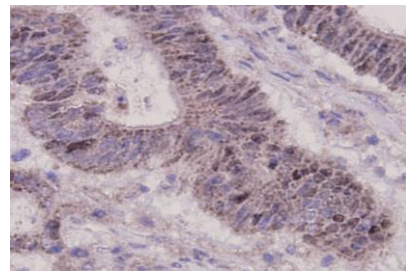
DATA:



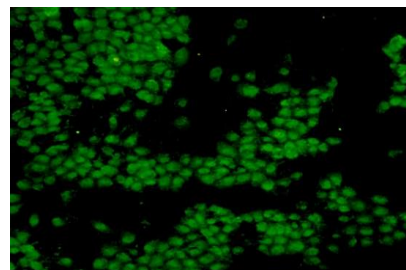
Western blot (WB) analysis of p53 Mouse mAb at 1:1000 dilution

Lane1:293T whole cell lysate

Lane2:A431 whole cell lysate



Immunohistochemical analysis of paraffin-embedded human colonic carcinoma tissue using anti-p53 antibody. Counter stained with hematoxylin.



ICC staining p53 in A431 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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