

p53 Rabbit monoclonal antibody

Catalog: BS9809M

Host: Rabbit

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:

Rabbit IgG, 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: 1:1000-1:5000 ICC/IF: 1:50-1:200

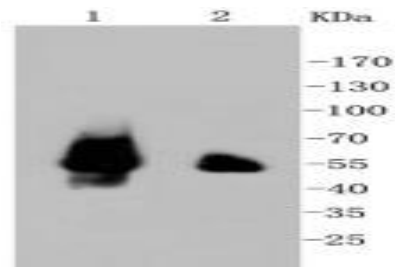
Storage&Stability:

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.

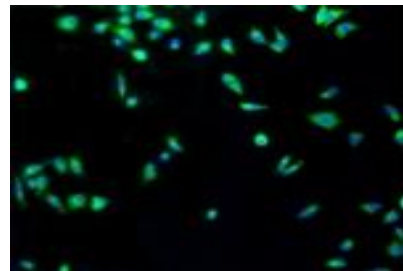
DATA:



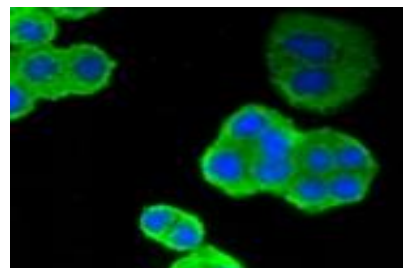
Western blot (WB) analysis of p53 Rabbit mAb at 1:1000 dilution

Lane1:293T whole cell lysate

Lane2:293 whole cell lysate



ICC staining p53 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.



ICC staining p53 in SW480 cells (green). The nuclear counter stain is DAPI (blue). 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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