

## p53 (Acetyl-K370) Rabbit monoclonal antibody

Catalog: BS9864M

Host: Rabbit

Reactivity: Human, Mouse, Rat

### 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: 1:1000-1:2000

ICC/IF: 1:50-1:200

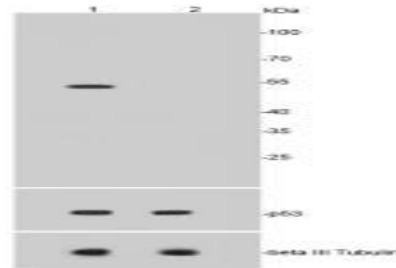
### Storage&Stability:

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 protein only when acetylated at Lys370.

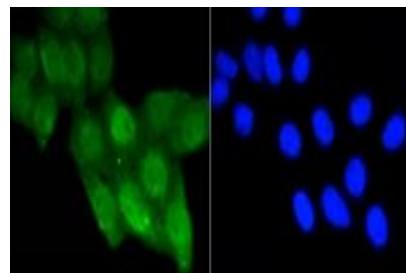
### DATA:



Western blot (WB) analysis of p53 (Acetyl-K370) Rabbit mAb at 1:1000 dilution

Lane 1: HepG2 treated with Etoposide 20uM and Trichostatin A 500 nM for 6 hours whole cell lysates

Lane 2: HepG2 untreated whole cell lysates



ICC staining p53 (Acetyl K370) in HepG2 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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