

## p53 (R375) polyclonal antibody

Catalog: BS3156

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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~53,43 kDa

### Swiss-Prot:

P04637

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

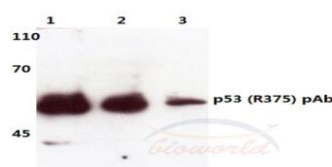
### Storage&Stability:

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

### Specificity:

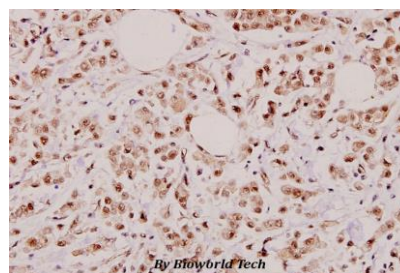
p53 (R375) polyclonal antibody detects endogenous levels of p53 protein.

### DATA:



Lane1:Hela whole cell lysate treated with TNF-alpha  
Lane2: Raw264.7 whole cell lysate treated with UV  
Lane3:PC12 whole cell lysate treated with UV  
p53 (R375) pAb at 1:500 dilution

Western blot (WB) analysis of p53 (R375) polyclonal antibody



Immunohistochemistry (IHC) analyzes of p53 (R375) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

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

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