

**Phospho-p53-S392 polyclonal antibody**

Catalog: BS79448

Host: Rabbit

Reactivity: Human, Mouse, Rat

**BackGround:**

This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons from identical transcript variants (PMIDs: 12032546, 20937277).

**Product:**

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

**Molecular Weight:**

53kDa

**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:**

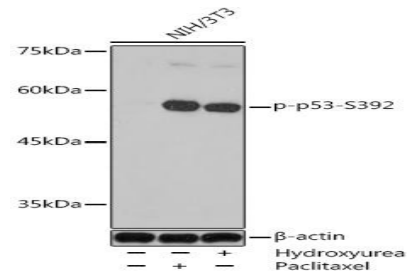
WB, 1:500 - 1:2000

**Storage&Stability:**

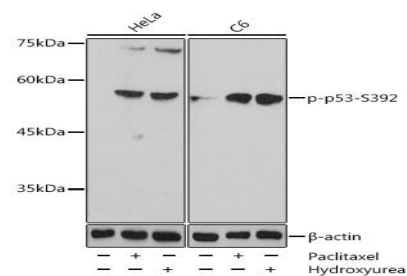
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Modification:**

Phosphorylated

**DATA:**

Western blot analysis of extracts of NIH/3T3 cells, using Phospho-p53-S392 antibody at 1:1000 dilution. NIH/3T3 cells were treated by Paclitaxel at 37°C for 20 hours. NIH/3T3 cells were treated by Hydroxyurea at 37°C for 20 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Enhanced Kit. Exposure time: 1s.



Western blot analysis of extracts of various cell lines, using Phospho-p53-S392 antibody at 1:1000 dilution. HeLa cells were treated by Paclitaxel at 37°C for 20 hours. HeLa cells were treated by Hydroxyurea at 37°C for 20 hours. C6 cells were treated by Paclitaxel at 37°C for 20 hours. C6 cells were treated by Hydroxyurea at 37°C for 20 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Enhanced Kit. Exposure time: 20s.

**Note:**

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

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