

p53 (phospho-S20) polyclonal antibody

Catalog: BS5027

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

p53 plays a major role in the cellular response to DNA damage and other genomic aberrations. The activation of p53 can lead to either cell cycle arrest and DNA repair, or apoptosis. p53 is phosphorylated at multiple sites in vivo and by several different protein kinases in vitro. p53 can apparently be phosphorylated by ATM, ATR, and DNAPK at Ser15; the phosphorylation impairs the ability of MDM2 to bind p53, promoting both the accumulation and functional activation of p53 in response to DNA damage. Chk2 and Chk1 can phosphorylate p53 at Ser20, enhancing its tetramerization, stability and activity. p53 is phosphorylated at Ser392 in vivo and by CAK in vitro. Phosphorylation of p53 at Ser392 is altered in human tumors and has been reported to influence the growth suppressor function, DNA binding and transcriptional activation of p53.

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 im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

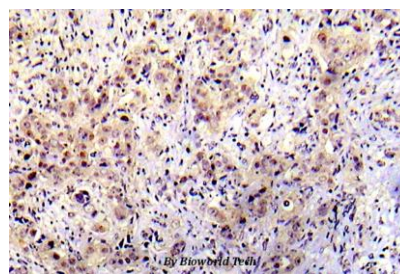
Storage&Stability:

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

Specificity:

p-P53 (S20) polyclonal antibody detects endogenous levels of P53 protein only when phosphorylated at Ser20.

DATA:



Immunohistochemistry (IHC) analyzes of p-P53 (S20) pAb in paraffin-embedded human breast carcinoma tissue.

Note:

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

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