

p53 Mutant polyclonal antibody

Catalog: BS91004

Host: Rabbit

Reactivity: Human

BackGround:

Acts as a tumor suppressor in many tumor types; induces growth arrest or apoptosis depending on the physiological circumstances and cell type. Involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. One of the activated genes is an inhibitor of cyclin-dependent kinases. Apoptosis induction seems to be mediated either by stimulation of BAX and FAS antigen expression, or by repression of Bcl-2 expression. In cooperation with mitochondrial PPIF is involved in activating oxidative stress-induced necrosis; the function is largely independent of transcription. Induces the transcription of long intergenic non-coding RNA p21 (lincRNA-p21) and lincRNA-Mkn1. LincRNA-p21 participates in TP53-dependent transcriptional repression leading to apoptosis and seem to have to effect on cell-cycle regulation. Implicated in Notch signaling cross-over. Prevents CDK7 kinase activity when associated to CAK complex in response to DNA damage, thus stopping cell cycle progression.

Product:

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

Molecular Weight:

53 kDa

Swiss-Prot:

P04637(Human)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500

IHC:1:100

FC:1:50-1:100

ICC:1:100-1:500

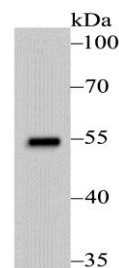
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

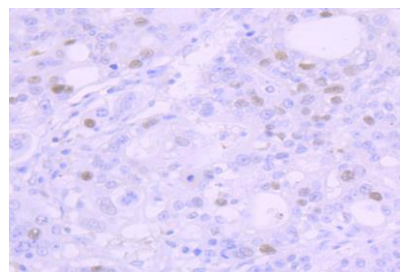
Specificity:

p53 Mutant polyclonal antibody detects endogenous levels of p53 Mutant protein.

DATA:



Western blot analysis of Mutant p53 on 293 cell using anti-Mutant p53 antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue using anti-Mutant p53 antibody. Counter stained with hematoxylin.

Note:

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

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