P53 (D43) polyclonal antibody

| Catalog: | BS5529 | Host: | Rabbit | Reactivity: | Human |

BackGround:

p53, a DNA-binding, oligomerization domain and transcription activation domain-containing tumor suppressor, upregulates growth arrest and apoptosisrelated 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:

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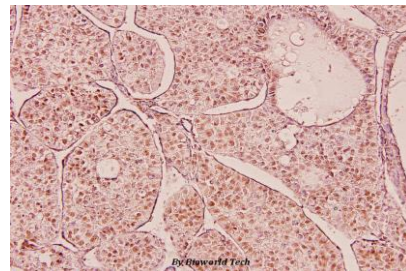
Applications:

IHC: 1:50~1:200

Storage&Stability:

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

Specificity:

P53 (D43) polyclonal antibody detects endogenous levels of P53 protein.

DATA:

Immunohistochemistry (IHC) analyzes of P53 (D43) pAb in paraffin-embedded human liver carcinoma tissue at 1:100.

Note:

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