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P53 Polyclonal Antibody

Cat #: G-AB-05923

Host: Rabbit **Reactivity:** Human, Monkey

Isotype: IgG **Clonality:** Polyclonal

Overview:
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. Implicated in Notch signaling cross-over. Isoform 2 enhances the transactivation activity of isoform 1 from some but not all TP53-inducible promoters. Isoform 4 suppresses transactivation activity and impairs growth suppression mediated by isoform 1. Isoform 7 inhibits isoform 1-mediated apoptosis.

Gene ID:

Accession #:

Immunogen: Synthesized peptide derived from human p53 around the non-phosphorylation site of Ser392.

Conjugation: Unconjugated

Swissprot: P04637

Calculated Molecular Weight: 44 kDa

Observed Molecular Weight: 47 kDa

Concentration: 1 mg/mL

Buffer: PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol, pH7.4

Purification Method: Affinity purification

Application: WB,IHC-p,IF,ELISA

Dilution: WB 1:500-1:2000, IHC 1:100-1:300, IF 1:200-1:1000, ELISA 1:40000

Storage: Store at -20°C. Avoid freeze / thaw cycles.