P53 Polyclonal Antibody

Catalog No. E-AB-32469

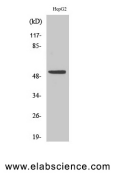
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

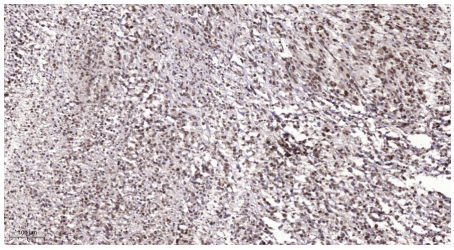
Reactivity	Human,Mouse,Rat
Immunogen	Synthesized peptide derived from the C-terminal region of human p53
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:100-1:300
IF	1:200-1:1000

Data



Western Blot analysis of HepG2 cells using p53 Polyclonal Antibody at dilution of 1:1000.
Observed Mw:43kDa
Calculated Mw:44kDa



Immunohistochemistry analysis of paraffin-embedded human Colon cancer using p53 Polyclonal Antibody at dilution of 1:200(4° overnight).

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

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. 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.

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