P53 Monoclonal Antibody

Catalog Number:E-AB-22015 1 Publications

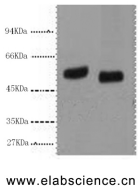
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

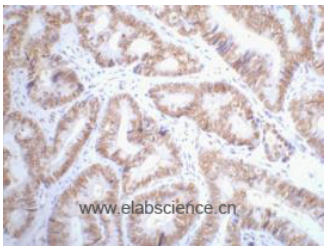
Reactivity	Human
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG
Clone	Clone:1H4
Purification	Protein A purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.4

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

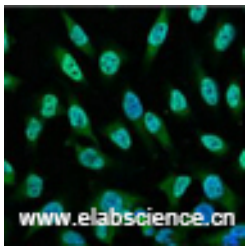
Data



Western Blot analysis of 293T cells using p53 Monoclonal Antibody at dilution of 1) 1:1000 2) 1:2000.
Observed Mw:53kDa
Calculated Mw:44kDa



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using p53 Monoclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of Hela tissue using p53 Monoclonal Antibody at dilution of 1:100.

Preparation & Storage

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

Background

For Research Use Only

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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.