



P53 Antibody

#21082

Catalog Number: 21082-1, 21082-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : P04637

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized non-phosphopeptide derived from human p53 .

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

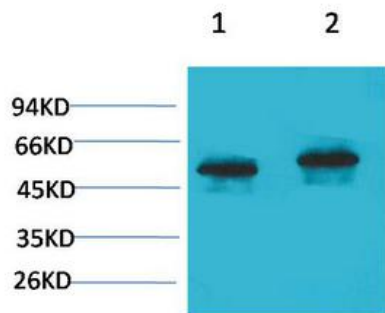
Specificity/Sensitivity: p53 antibody detects endogenous levels of total p53 protein

Reactivity: Mouse,Rat

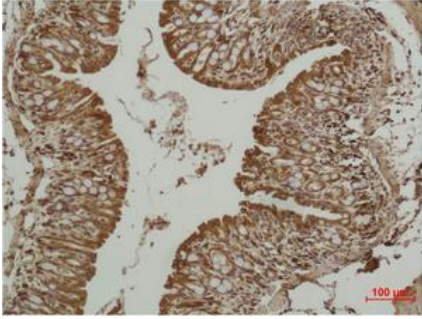
Applications:

Predicted MW: 53 kd

WB: 1:500~1:2000 IHC: 1:50~1:100



Western blot analysis of 1) Mouse Brain Tissue, 2) Rat Brain Tissue using p53 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Mouse Colon Tissue using p53 Polyclonal Antibody.

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

References:

- Lin T, et al. (2005) Nat Cell Biol; 7(2): 165-71.
Vega FM, et al. (2004) Mol Cell Biol; 24(23): 10366-80.
Li J, et al. (2004) J Biol Chem; 279(40): 41275-9.
Wang J, et al. (2004) J Biol Chem; 279(38): 39584-92.