P53 (Ab-18) Antibody

#21086

Catalog Number: 21086-1, 21086-2

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℃/1 year

Immunogen: The antiserum was produced against synthesized non-phosphopeptide derived from human p53 around the phosphorylation site of threonine 18 (Q-E-T^{P}-F-S).

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

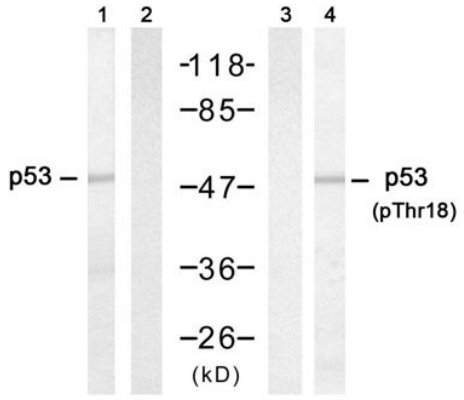
Specificity/Sensitivityp53 (Ab-18) antibody detects endogenous levels of total p53 protein

Reactivity: Human,

Applications:

Predicted MW: 53 kd

WB: 1:500~1:1000



HU - - - +
Peptide - + - -

Western blot analysis of extracts from HT-29 cells untreated or treated with hydroxyurea, using p53 (Ab-18) antibody (#21086, Lane 1 and 2) and p53 (phospho-Thr18) antibody (#11095, Lane 3 and 4).

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：

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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.