P53 (Ab-15) Antibody

#21085

Catalog Number: 21085-1, 21085-2

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 serine serine15(P-L-Sp-Q-E).

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

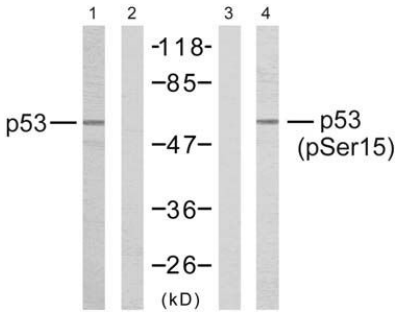
Specificity/Sensitivityp53 (Ab-15) antibody detects endogenous levels of total p53 protein

Reactivity: Human,

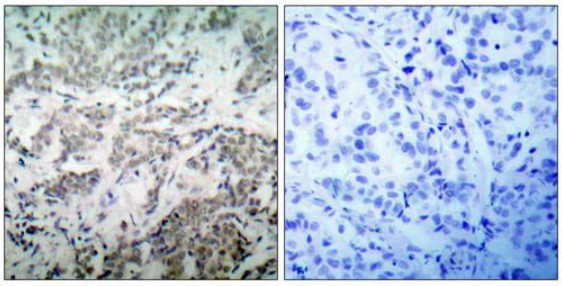
Applications:

Predicted MW: 53 kd

WB: 1:500~1:1000 IHC: 1:50~1:100 IF:1:100~1:200

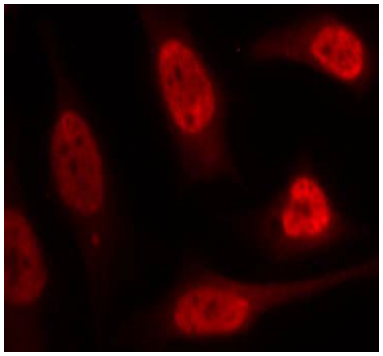


Western blot analysis of the extracts from HeLa cells untreated or treated with hydroxyurea using p53 (Ab-15) antibody (#21085, Line1 and 2) and p53 (phospho-Ser15)



Peptide − +

Immunohistochemical analysis of paraffin-embedded
human breast carcinoma tissue using p53 (Ab-15)antibody (#21085).



Immunofluorescence staining of methanol-fixed HeLa cells showing nuclear staining using p53 (Ab-15)antibody (#21085).

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.