



P53 (Ab-46)
Antibody

#21090

Catalog Number: 21090-1, 21090-2

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 around the phosphorylation site of serine 46 (M-L-S^P-P-D).

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

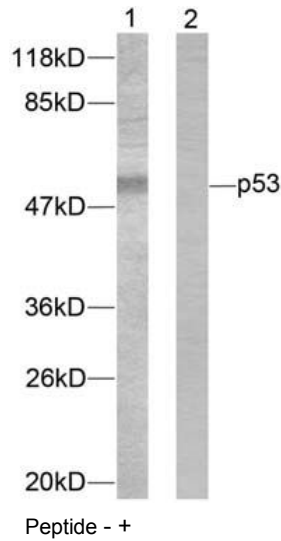
Specificity/Sensitivity p53 (Ab-46) antibody detects endogenous levels of total p53 protein

Reactivity: Human,

Applications:

Predicted MW: 53 kd

WB: 1:500~1:1000



Western blot analysis of extracts from 293 cells treated with UV, using p53(Ab-46) antibody (#21090).

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:

- Dhavan, R. and Tsai, L.H. (2001) *Nat Rev Mol Cell Biol.* 2: 749-759.
- Patrick, G. N. et al. (1998) *J Biol Chem.* 273: 24057-24064.
- Di Stefano V, et al. (2005) *Oncogene.* 24(35):5431-5442.
- Mayo LD, et al.(2005) *J Biol Chem.* 280(28):25953-25959.
- Wang L, et al. (2005) *Oncogene.* 24(18): 3020-3027.