P53 (Phospho-Ser46) Antibody

#11099

Catalog Number: 11099-1, 11099-2

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 phosphopeptide derived from human p53 around the phosphorylation site of serine 46 (M-L-Sp-P-D).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

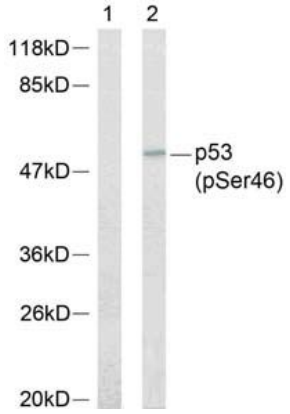
Specificity/Sensitivity: p53 (phospho-Ser46) antibody detects endogenous levels of p53 only when phosphorylated at serine 46

Reactivity: Human,

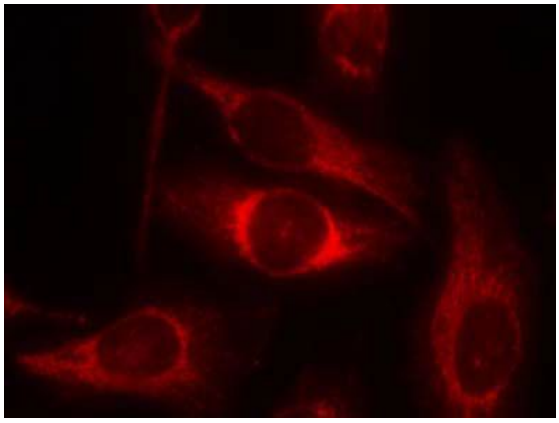
Applications:

Predicted MW: 53 kd

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



Western blot analysis of extracts from 293 cells, using p53 (phospho-Ser46) antibody (#11099).



Immunofluorescence staining of methanol-fixed HeLa cells showing centrosome and nuclear staining
using p53 (phospho-Ser46) antibody (#11099).

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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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