P53 (Phospho-Ser315) Antibody

#11100

Catalog Number: 11100-1, 11100-2

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 315 (S-S-Sp-P-Q).

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.

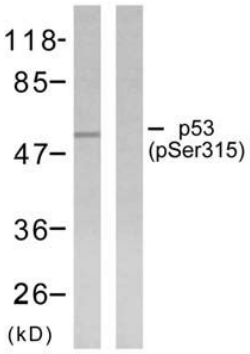
Specificity/Sensitivity: p53 (phospho-Ser315) antibody detects endogenous levels of p53 only when phosphorylated at serine 315

Reactivity: Human,

Applications:

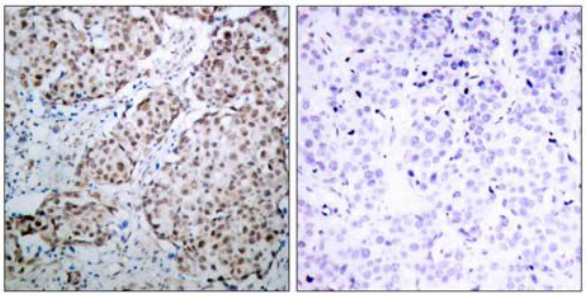
Predicted MW: 53 kd

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



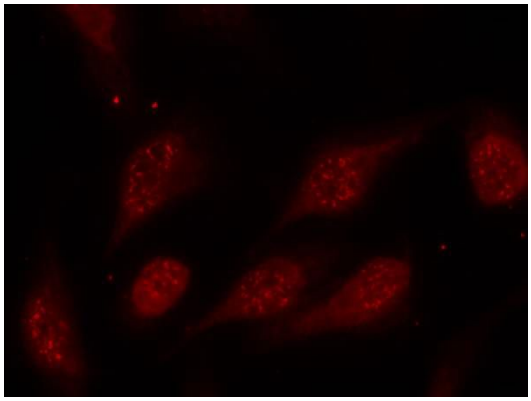
P-Peptide + −

Western blot analysis of extracts from ovary cancer cells using p53 (phosphor-Ser315) antibody (#11100).



P-Peptide － +

Immunohistochemical analysis of paraffin-embedded
human breast carcinoma tissue using p53 (phospho-Ser315) antibody (#11100).



Immunofluorescence staining of methanol-fixed HeLa cells showing
centrosome and nuclear staining
using p53 (phospho-Ser315) antibody (#11100).

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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Merrick BA, et al. (2001) Biochemistry; 40(13): 4053-66.