p53(Phospho-Ser6) Antibody

Catalog No: #11092

Package Size: #11092-1 50ul #11092-2 100ul #11092-4 25ul

Overview

Product Name	p53(Phospho-Ser6) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC
Species Reactivity	Hu Ms
Immunogen Type	Peptide-KLH
Target Name	p53
Modification	Phospho-Ser6
Alternative Names	Antigen NY-CO-13; Phosphoprotein p53; TP53; Tumor suppressor p53;

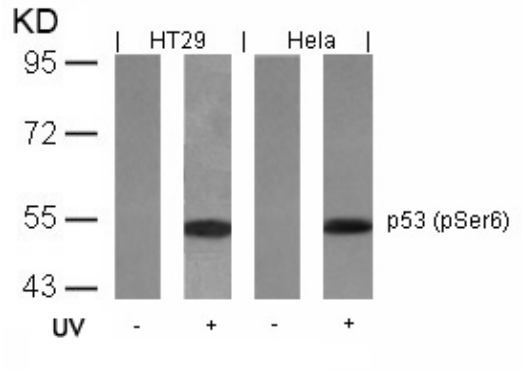
Application Details

Predicted MW: 53kd

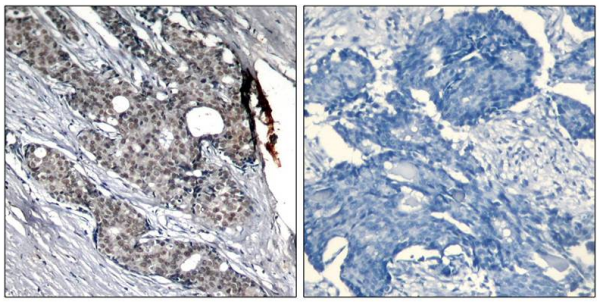
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HT29 and Hela cells untreated or treated with UV using p53(Phospho-Ser6) Antibody #11092.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p53(Phospho-Ser6) Antibody #11092(left) or the same antibody preincubated with blocking peptide(right).

Descriptions

Immunogen	Peptide sequence around phosphorylation site of serine 6 (P-Q-S(p)-D-P) derived from Human p53.
Specificity	The antibody detects endogenous level of p53 only when phosphorylated at serine 6.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P04637NCBI Protein: NP_000537.3

Related Information

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.

Lin T, et al. (2005) Nat Cell Biol; 7(2): 165-71.
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.

Published Papers

Yan-Qing Guan, Zhibin Li, Aini Yang el at., Cell cycle arrest and apoptosis of OVCAR-3 and MCF-7 cells induced by co-immobilized TNF-a plus IFN-g on polystyrene and the role of p53 activation, Biomaterials, 33(26):6162-6171.(2012)

PMID:22682938

Note: This product is for in vitro research use only and is not intended for use in humans or animals.