

## p53(Phospho-Ser6) Antibody

Catalog No: #11092

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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	p53(Phospho-Ser6) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	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 chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of p53 only when phosphorylated at serine 6.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 6 (P-Q-S(p)-D-P) derived from Human p53.
Target Name	p53
Modification	Phospho-Ser6
Other Names	Antigen NY-CO-13; Phosphoprotein p53; TP53; Tumor suppressor p53;
Accession No.	Swiss-Prot: P04637NCBI Protein: NP_000537.3
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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.

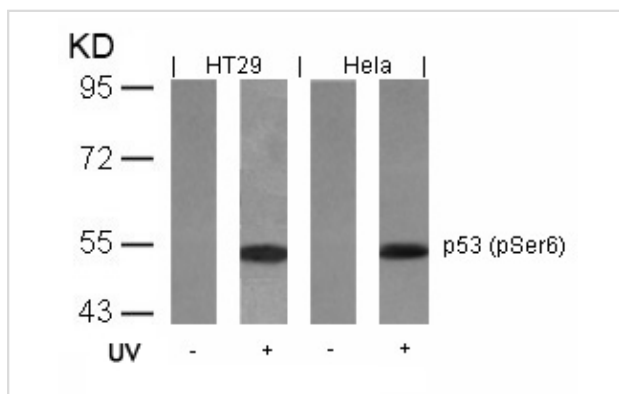
## Application Details

Predicted MW: 53kd

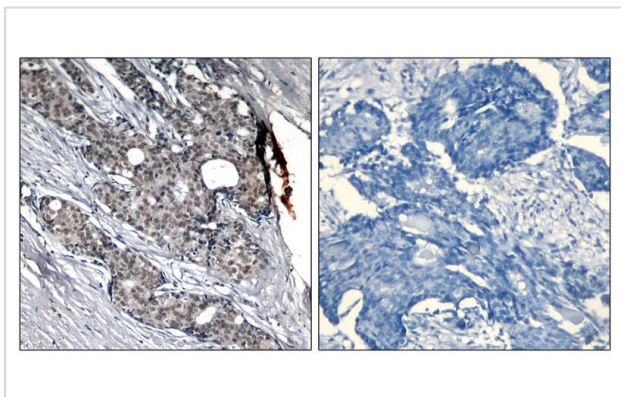
Western blotting: 1:500~1:1000

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).

## 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.

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 et al., Cell cycle arrest and apoptosis of OVCAR-3 and MCF-7 cells induced by co-immobilized TNF- $\alpha$  plus IFN- $\gamma$  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.