

## p53(Phospho-Ser33) Antibody

Catalog No: #11097

Package Size: #11097-1 50ul #11097-2 100ul #11097-4 25ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	p53(Phospho-Ser33) 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 IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of p53 only when phosphorylated at serine 33.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 33 (V-L-S(p)-P-L) derived from Human p53.
Target Name	p53
Modification	Phospho-Ser33
Other Names	P53, BCC7, LFS1, TRP53
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.

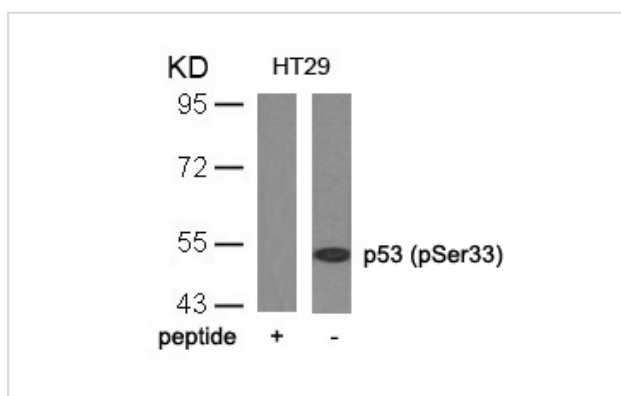
## Application Details

Predicted MW: 53kd

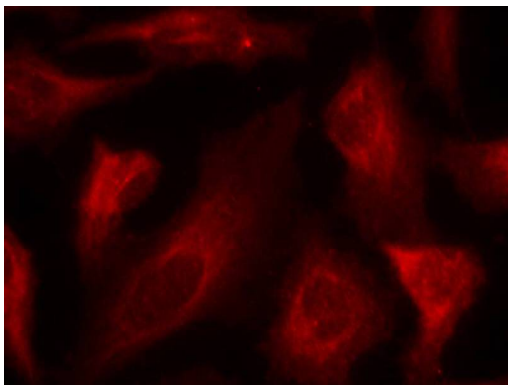
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

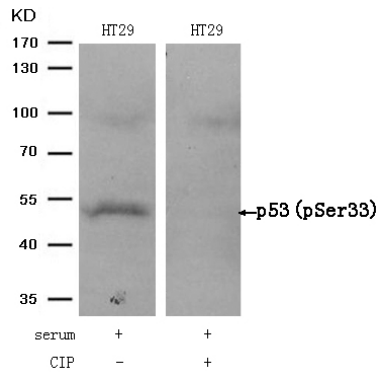
## Images



Western blot analysis of extracts from HT29 cells using p53(Phospho-Ser33) Antibody #11097 and the same antibody preincubated with blocking peptide.



Immunofluorescence staining of methanol-fixed HeLa cells using p53(Phospho-Ser33) Antibody #11097.



Western blot analysis of extracts from HT29 cells, treated with serum or calf intestinal phosphatase (CIP), using p53 (Phospho-Ser33) Antibody #11097.

## 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.

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