Product Datasheet

p53(Phospho-Ser15) Antibody

Catalog No: #11094

Package Size: #11094-1 50ul #11094-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	p53(Phospho-Ser15) 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 chromatogramphy using non-phosphopeptide.
Applications	WB;IHC;IP;IF;ELISA
Species Reactivity	Hu Rt Ms
Specificity	The antibody detects endogenous level of p53 only whenphosphorylated at serine15.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 15 (P-L-S(p)-Q-E) derived from Human p53.
Target Name	p53
Modification	Phospho
Other Names	Tumor suppressor p53; Phosphoprotein p53; Antigen NY-CO-13; TP53;
Accession No.	Swiss-Prot: P04637NCBI Protein: NP_000537.3
Concentration	1.0mg/ml
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.

Application Details

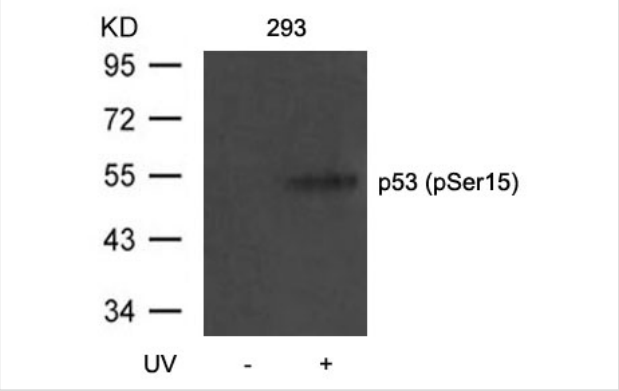
Predicted MW: 53kd

Western blotting: 1:500~1:1000

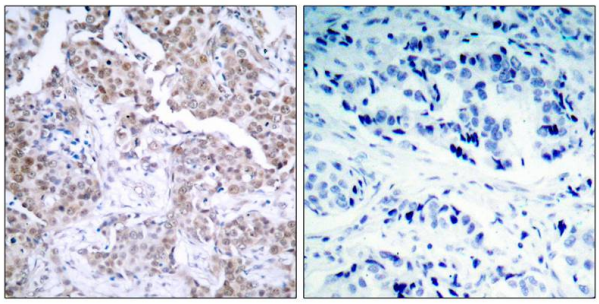
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

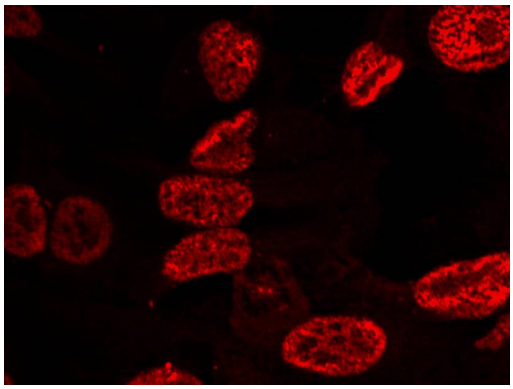
Images



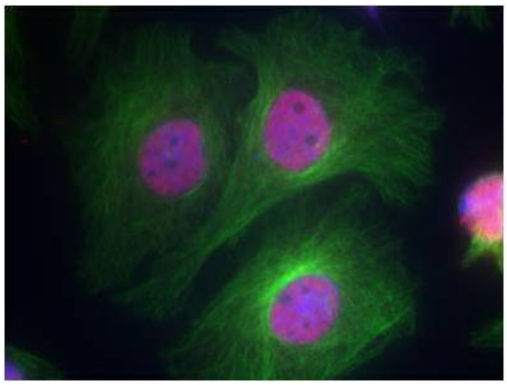
Western blot analysis of extracts from 293 cells untreated or treated with UV using p53(Phospho-Ser15) Antibody #11094.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p53 (Phospho-Ser15) Antibody #11094 (left) or the same antibody preincubated with blocking peptide #51094 (right).



Immunofluorescence staining of methanol-fixed Hela cells using p53(Phospho-Ser15) Antibody #11094.



Immunofluorescence staining of methanol-fixed Hela cells using p53 (Phospho-Ser15) Antibody #11094.

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

el at., Pro-Apoptotic Effects of JDA-202, a Novel Natural Diterpenoid, on Esophageal Cancer Through Targeting Peroxiredoxin I.In Antioxid Redox Signal on 2017 Jul 10 by Xiao-Jing Shi , Lina Ding,et al..PMID: 27650197, , (2017)

PMID:27650197

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