

p53 (Phospho-Ser392) Antibody

Catalog No: #11969

Package Size: #11969-1 50ul #11969-2 100ul

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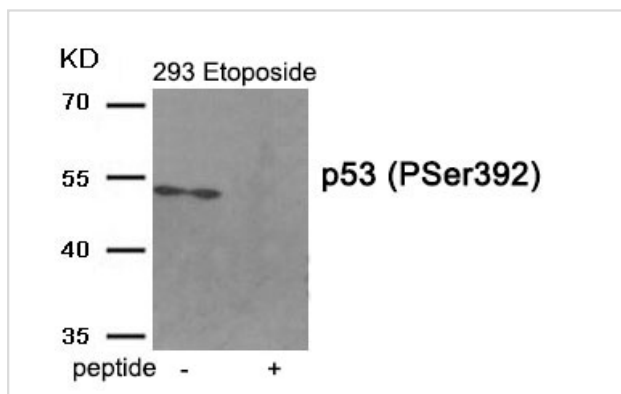
Description

Product Name	p53 (Phospho-Ser392) 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
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of p53 only when phosphorylated at serine 392.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 392 (P-D-S(p)-D) derived from Human p53.
Target Name	p53
Modification	Phospho
Other Names	Antigen NY-CO-13; Cellular tumor antigen p53; Phosphoprotein p53; TP53; Tumor suppressor p53
Accession No.	Swiss-Prot#: P04637; NCBI Gene#: 7157; NCBI Protein#: NP_000537.3
SDS-PAGE MW	53kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from 293 cells treated with Etoposide using Phospho-p53 (Ser392) antibody #11969. The lane on the right is treated with the antigen-specific peptide.

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.

Choi DW, et al. (2013) Mol Cell 51, 374-85

Bagashev A, et al. (2013) Cell Cycle 12, 1569-77

Shahar OD, et al. (2013) PLoS One 8, e78472

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