*FOR RESEARCH USE ONLY!*

# Phospho-p53 (Ser15) Antibody

06/19

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| **CATALOG NO.:** | **A1806-100 100 µl** |

**BACKGROUND DESCRIPTION:** The p53 tumor suppressor protein plays a major role in cellular response to DNA damage and other genomic aberrations. The activation of p53 can lead to either cell cycle arrest and DNA repair or apoptosis. p53 is phosphorylated at multiple sites in vivo and by several different protein kinases in vitro. p53 can apparently be phosphorylated by ATM, ATR, and DNA-PK at Ser15; the phosphorylation impairs the ability of MDM2 to bind p53, promoting both the accumulation and functional activation of p53 in response to DNA damage.

**ALTERNATE NAMES:** P53, Cellular tumor antigen p53, Antigen NY-CO-13, Phosphoprotein p53, Tumor suppressor p53.

**ANTIBODY TYPE:** Polyclonal

**HOST/ISOTYPE:** Rabbit / IgG.

**IMMUNOGEN:** Synthetic peptide corresponding to amino acids at the N-terminus of human p53 (ser15) (ID#Q51). Sequence same as cat# A1805.

**PURIFICATION:** Affinity purified.

**FORM:** Liquid.

**FORMULATION:** In phosphate buffered saline (PBS), pH 7.2 containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin.

**SPECIES REACTIVITY:** Human, Rat, Mouse

**STORAGE CONDITIONS:** Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

**APPLICATIONS AND USAGE:** Western blot: 1:250- 1:500 **(Note: This information is only intended as a guide. The optimal dilutions must be determined by the user).**

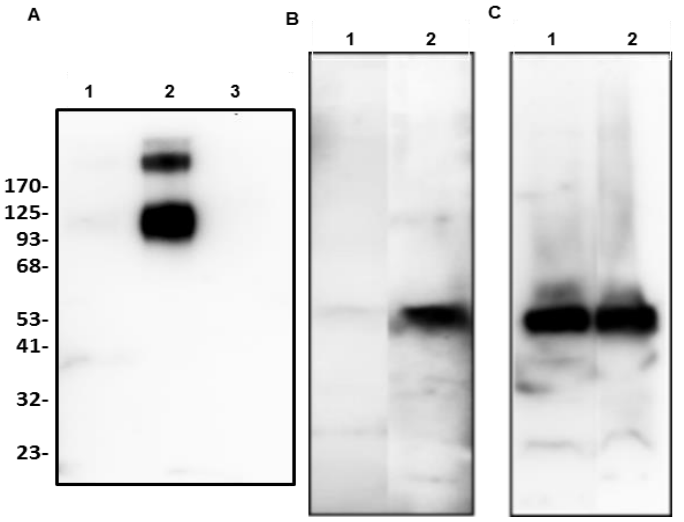


**Fig. A.** Western blot of p53 and phospho-p53 Peptide conjugated to BSA using Phospho-p53 (Ser15) Antibody:
Lane 1: p53 peptide-BSA 1 ng.
Lane 2: Phospho-p53 peptide-BSA 1 ng.
Lane 3: BSA 1 ng.

Western blot analysis of Phospho-p53 expression using Phospho-p53 (Ser15) Antibody **(Fig. B)** and Anti-p53 Antibody **(Fig. C)** in (1) 293 cell lysate (2) 293 cells treated with Mitomycin C (5 µg/ml) .

**RELATED PRODUCTS:**

Phospho-p53 (Ser376) Antibody (A1158).
Anti-p53 Antibody (A1805).

***FOR RESEARCH USE ONLY! Not to be used on humans.***


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