

## PHOSPHO-P53 (SER15) RABBIT PAB

**Cat.#:** N225385

**Product Name:** Anti-Phospho-p53 (Ser15) Rabbit pAb

**Synonyms:** TP53; P53; Cellular tumor antigen p53; Antigen NY-CO-13; Phosphoprotein p53; Tumor suppressor p53

**UNIPROT ID:** P04637

**Background:** Tumor protein p53, a nuclear protein, plays an essential role in the regulation of cell cycle, specifically in the transition from G0 to G1. It is found in very low levels in normal cells, however, in a variety of transformed cell lines, it is expressed in high amounts, and believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing DNA-binding, oligomerization and transcription activation domains.

**Immunogen:** The antiserum was produced against synthesized peptide derived from human p53 around the phosphorylation site of Ser15. AA range:1-50

**Applications:** WB,IHC-F,IHC-P,IP,ICC/IF,ELISA

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20 ELISA: 1/10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Clone ID:** -

**MW:** Calculated MW: 44 kDa; Observed MW: 48 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human,Rat

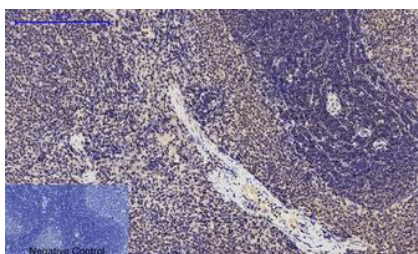
**Conjugation:** Unconjugated

**Modification:** Phosphorylated

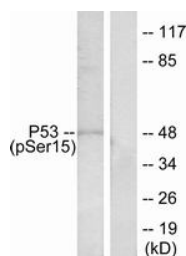
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Cell Biology

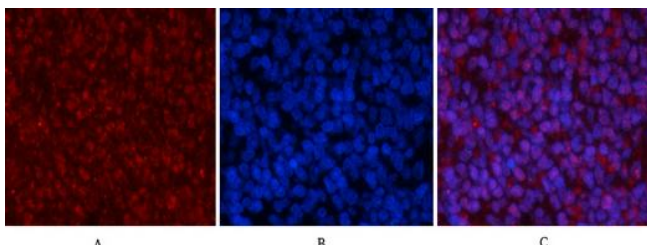
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



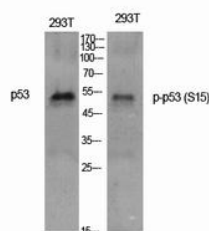
Immunohistochemistry analysis of paraffin-embedded rat spleen tissue using Phospho-p53 (Ser15) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of Phospho-p53 (Ser15) in HeLa treated with HU lysates using Phospho-p53 (Ser15) antibody. The lane on the right is blocked with the Phospho-peptide.



Immunofluorescence analysis of Phospho-p53 (Ser15) in rat spleen tissue using antibody.



Western blot analysis of Phospho-p53 (Ser15) in untreated and Phospho-p53 (Ser15) treated with HU in 293T lysates using Phospho-p53 (Ser15) antibody