

## Product datasheet for **AP01661PU-N**

### p53 (TP53) pSer9 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500-1/1000. <b>Immunohistochemistry on paraffin sections</b> 1/50-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of p53 when phosphorylated at Ser9.
Formulation:	Phosphate buffered saline (PBS), pH~7.2 containing 0.05% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE).
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	~ 48 kDa
Gene Name:	tumor protein p53
Database Link:	<a href="#">Entrez Gene 7157 Human P04637</a>



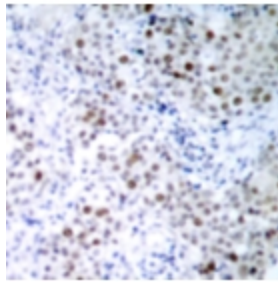
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**Background:**

The p53 protein was initially identified in a complex with the SV40 large T antigen in SV40-transformed rodent cells. Subsequently, p53 was shown to form complexes with adeno-virus E1B protein and the E6 protein encoded by oncogenic papillomavirus variants. Although p53 was initially considered to be a cellular proto-oncogene, it has since been classified as a tumor suppressor gene or anti-oncogene. Presumably, the presence of excess amounts of the mutant form of the protein can lead to functional inactivation of wild type p53. Mutations and allelic loss of the p53 gene have been associated with malignant transformation in a wide variety of human tumors. These findings in combination with the fact that p53 can act as a negative regulator of cell growth in normal cells suggest that the binding of p53 by various DNA tumor virus-encoded transforming proteins may be a major contributing factor to their transforming phenotype.

**Synonyms:**

Cellular tumor antigen p53, Tumor suppressor p53, Phosphoprotein p53, NY-CO-13

**Product images:**

Immunohistochemistry (IHC) analysis of p53 pSer9 antibody (Cat.-No.: AP01661PU-N) in paraffin-embedded human breast carcinoma tissue.