

Product datasheet for **AP08004PU-N**

p53 (TP53) pSer37 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunofluorescence: 1/100-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from human p53 around the phosphorylation site of Serine 37 (L-P-SP-Q-A).
Specificity:	The antibody detects endogenous levels of p53 only when phosphorylated at Serine 37.
Formulation:	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	tumor protein p53
Database Link:	Entrez Gene 7157 Human P04637
Synonyms:	Cellular tumor antigen p53, Tumor suppressor p53, Phosphoprotein p53, NY-CO-13



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Product images:

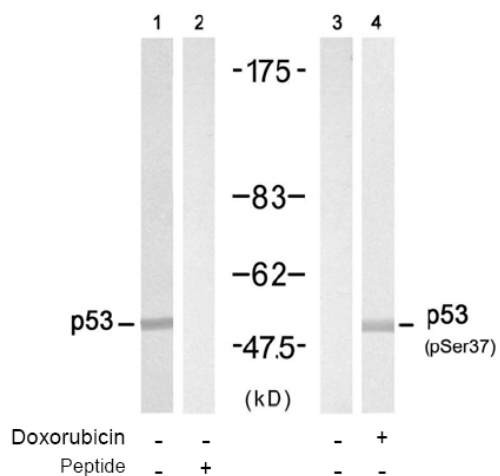


Figure 1. Western blot analysis of extract from HT-29 cells untreated or treated with Doxorubicin (1mM, 30min), using p53 antibody (Lane 1 and 2) and p53 pSer37 antibody (Lane 3 and 4).



Figure 2. Immunofluorescence staining of methanol-fixed HeLa cells using p53 pSer37 antibody (Red).