

Product datasheet for **AM05327PU-N**

p53 (TP53) (371-380) Mouse Monoclonal Antibody [Clone ID: HR231]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HR231
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	Western Blot: 1 - 5 µg/ml. ELISA. Immunoprecipitation. Immunohistochemistry. <i>Positive Control:</i> Breast or colon carcinoma cells.
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Hybridoma produced by the fusion of splenocytes from immunized with full length human p53 protein and mouse myeloma cells.
Specificity:	This antibody reacts to p53.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction. Preservative: 0.08% Sodium Azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A/G
Conjugation:	Unconjugated
Storage:	Store the antibody 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



[View online »](#)

Background:

p53 is a 53 kDa transcription factor that can inhibit cell cycle progression or induce apoptosis in response to stress or DNA damage. Disruption of the p53 signalling pathway through various mechanisms is the most common alteration in human cancer occurring in over half of all tumors. The p53 protein is short lived and expressed at low levels in normal cells but accumulates and/or is activated in cells that have undergone genotoxic damage or oncogene activation. Many tumor derived and transformed cell lines express elevated levels of mutant p53 protein. Other genes also implicated in the downstream effects as a result of p53 activation are: p21WAF1, GADD45, 14-3-3, bax, Fas/APO1, KILLER/ DR5, Tsp1, IGF-BP3 and others.

Synonyms:

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

Product images:

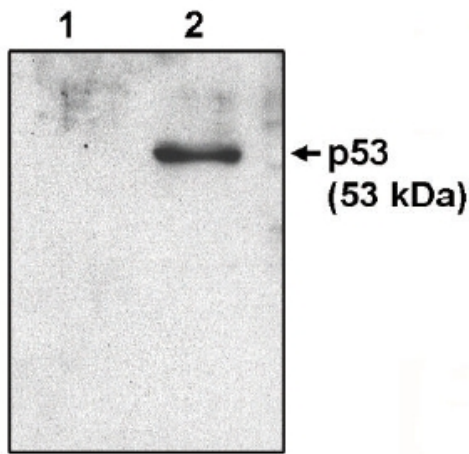


Figure 1. Western blot analysis using p53 antibody at 1 ug/ml on native H1299 cells (Lane 1) and H1299 cells transfected with human p53 (Lane 2).

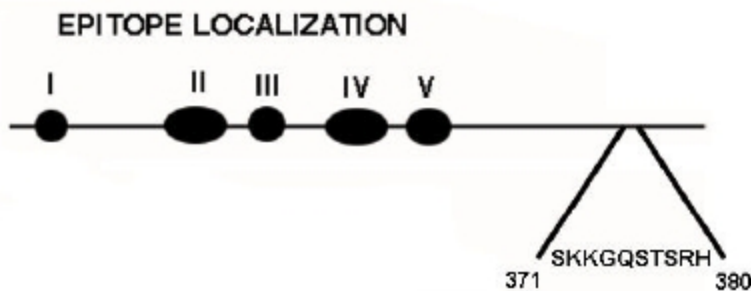


Figure 2. Graphic representation of the epitope location.