Datasheet for ABIN306866

anti-p53 antibody (AA 371-380)

1 Image

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Overview

Quantity:	100 µg
Target:	p53 (TP53)
Binding Specificity:	AA 371-380
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Hybridoma produced by the fusion of splenocytes from immunized with full length human p53 protein and mouse myeloma cells.
Clone:	HR231
Isotype:	IgG2b
Cross-Reactivity:	Human, Monkey, Mouse, Rat
Characteristics:	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 occuring 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

Product Details

	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.
Purification:	Protein A/G Chromatography

Target Details

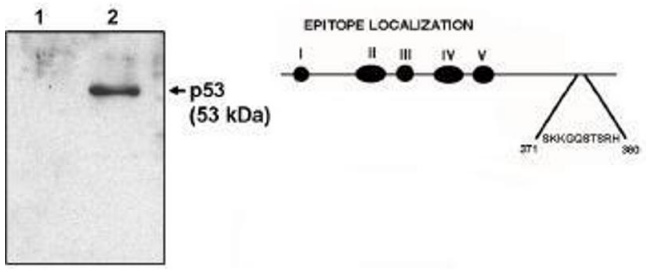
Target:	p53 (TP53)
Alternative Name:	p53 (TP53 Products)
UniProt:	Q9BRQ8
Pathways:	p53 Signaling, MAPK Signaling, PI3K-Akt Signaling, Apoptosis, AMPK Signaling, Chromatin Binding, ER-Nucleus Signaling, Positive Regulation of Endopeptidase Activity, Hepatitis C, Protein targeting to Nucleus, Autophagy, Warburg Effect

Application Details

Application Notes:	This antibody can be used for Western blotting (1-5 µg/mL), immunoprecipitation, ELISA and immunohistochemistry. Optimal concentration should be evaluated by serial dilutions.
Restrictions:	For Research Use only

Handling

Buffer:	Provided as solution in phosphate buffered saline with 0.08 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles



Western Blotting

Image 1. Western blot analysis using p53 cln HR231 antibody at 1 µg/ml on native H1299 cells (1) and H1299 cells transfected with human p53. Also shown is a graphic representation of the epitope location.