

Datasheet for ABIN264449
anti-p53 antibody (AA 371-380)



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2 Images

Overview

Quantity:	0.1 mg
Target:	p53 (TP53)
Binding Specificity:	AA 371-380
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Hybridoma produced by the fusion of splenocytes from immunized with full length humanp53 protein and mouse myeloma cells.
Clone:	HR231
Isotype:	IgG2b
Specificity:	This antibody reacts to p53.
Cross-Reactivity (Details):	Species reactivity (tested):Human, Monkey, Mouse and Rat.
Characteristics:	Synonyms: Cellular tumor antigen p53, Tumor suppressor p53, Phosphoprotein p53, NY-CO-13
Purification:	Affinity chromatography on Protein A/G

Target Details

Target:	p53 (TP53)
Alternative Name:	p53 (TP53) (TP53 Products)
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, NY-CO-13, Phosphoprotein p53, Tumor suppressor p53
Gene ID:	7157
UniProt:	P04637
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:	Western Blot (1-5 µg/mL). ELISA. Immunoprecipitation. Immunohistochemistry. Positive Control: Breast or colon carcinoma cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

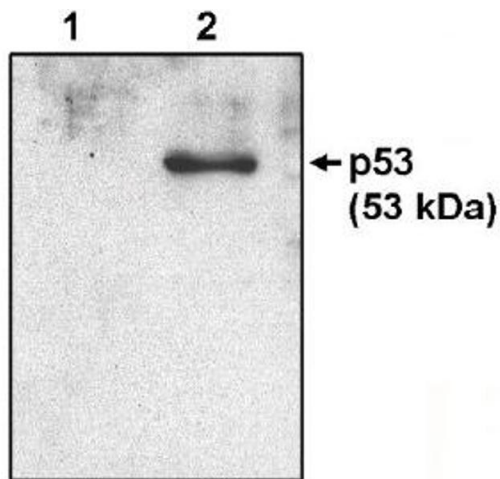
Handling

Concentration:	1,0 mg/mL
Buffer:	PBS, 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.

Handling

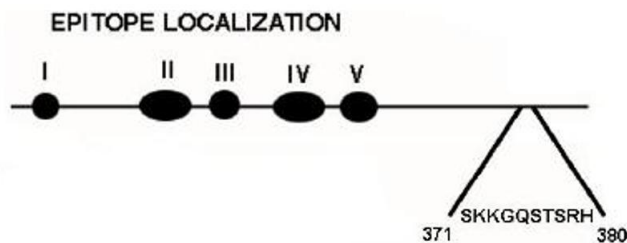
Storage:	-20 °C
Storage Comment:	Store the antibody at -20 °C. Avoid repeated freezing and thawing. Shelf life: One year from despatch.
Expiry Date:	12 months

Images



Western Blotting

Image 1.



Western Blotting

Image 2.