Datasheet for ABIN7138575

anti-p53 antibody (pSer366)

1 Image

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Overview

Quantity:	100 µL
Target:	p53 (TP53)
Binding Specificity:	pSer366
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of Serine 366(A-H-S(p)-S-H) derived from Human p53.
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi

Target Details

Target:	p53 (TP53)
Alternative Name:	TP53 (TP53 Products)

Target Details

Background:	Background: Acts as a tumor suppressor in many tumor types, induces growth arrest or apoptosis depending on the physiological circumstances and cell type. Involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. One of the activated genes is an inhibitor of cyclin-dependent kinases. Apoptosis induction seems to be mediated either by stimulation of BAX and FAS antigen expression, or by repression of Bcl-2 expression. In cooperation with mitochondrial PPIF is involved in activating oxidative stress-induced necrosis, the function is largely independent of transcription. Induces the transcription of long intergenic non-coding RNA p21 (lincRNA-p21) and lincRNA-Mkln1. LincRNA-p21 participates in TP53-dependent transcriptional repression leading to apoptosis and seem to have to effect on cell-cycle regulation. Implicated in Notch signaling cross-over. Prevents CDK7 kinase activity when associated to CAK complex in response to DNA damage, thus stopping cell cycle progression. Isoform 2 enhances the transactivation activity of isoform 1 from some but not all TP53-inducible promoters. Isoform 4 suppresses transactivation activity and impairs growth suppression mediated by isoform 1. Isoform 7 inhibits isoform 1-mediated apoptosis. Aliases: Antigen NY-CO-13 antibody, BCC7 antibody, Cellular tumor antigen p53 antibody, FLJ92943 antibody, LFS1 antibody, Mutant tumor protein 53 antibody, p53 antibody, p53 tumor suppressor antibody, P53_HUMAN antibody, Phosphoprotein p53 antibody, Tp53 antibody, Transformation related protein 53 antibody, TRP53 antibody, tumor antigen p55 antibody, Tumor protein 53 antibody, Tumor protein p53 antibody, Tumor suppressor p53 antibody
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:	WB:1:500-1:1000,
Restrictions:	For Research Use only

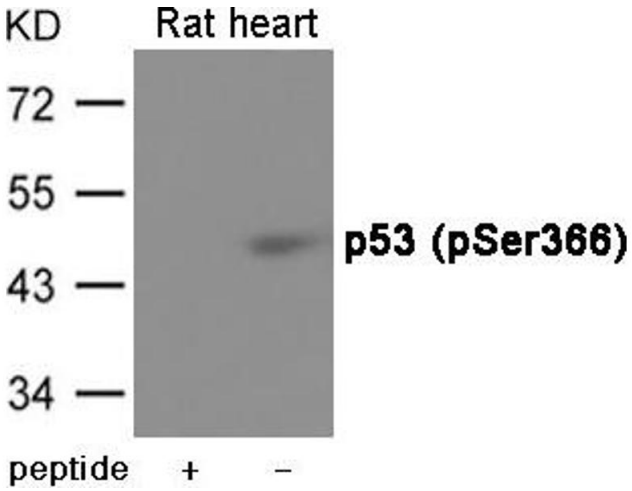
Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Handling

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,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot analysis of extracts from Rat heart using p53 (Phospho-Ser366) Antibody.The lane on the left is treated with the antigen-specific peptide.