

Datasheet for ABIN6136276
anti-p53 antibody (pSer33)

5 Images



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Overview

Quantity:	100 µL
Target:	p53 (TP53)
Binding Specificity:	pSer33
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic phosphorylated peptide around S33 of human p53 (NP_000537.3).
Sequence:	VLSPL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Phosphorylated Antibodies

Target Details

Target:	p53 (TP53)
Alternative Name:	TP53 (TP53 Products)
Background:	This gene encodes a tumor suppressor protein containing transcriptional activation, DNA

Target Details

binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons from identical transcript variants (PMIDs: 12032546, 20937277).,BCC7,LFS1,P53,TRP53,p53,TP53,BMFS5,Epigenetics & Nuclear Signaling,Transcription Factors,DNA Damage & Repair,Cancer,Tumor suppressors,p53 pathway,Signal Transduction,PI3K-Akt Signaling Pathway,ErbB-HER Signaling Pathway,MAPK-JNK Signaling Pathway,MAPK-P38 Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Mitochondrial Control of Apoptosis,Cell Cycle,Cell cycle inhibitors,G1/S Checkpoint,G2/M DNA Damage Checkpoint,Endocrine & Metabolism,AMPK Signaling Pathway,Warburg Effect,Neuroscience,Neurodegenerative Diseases,Protein phosphorylation,TP53

Molecular Weight:	23-43 kDa
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:	WB,1:500 - 1:2000,IHC,1:50 - 1:100,IP,1:50 - 1:100
Restrictions:	For Research Use only

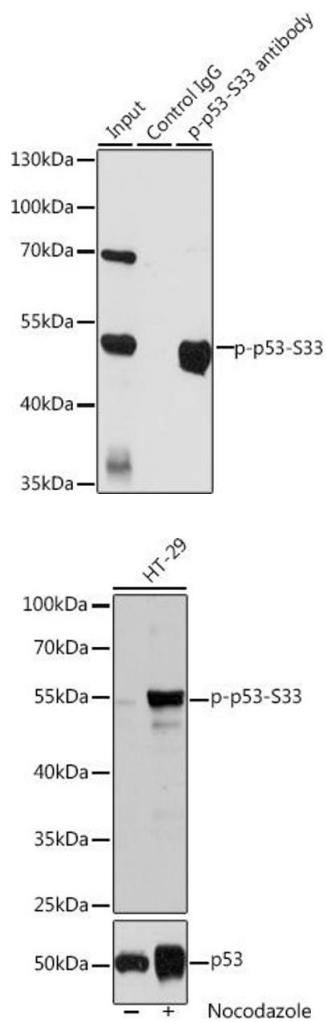
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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 at -20°C. Avoid freeze / thaw cycles.

Images

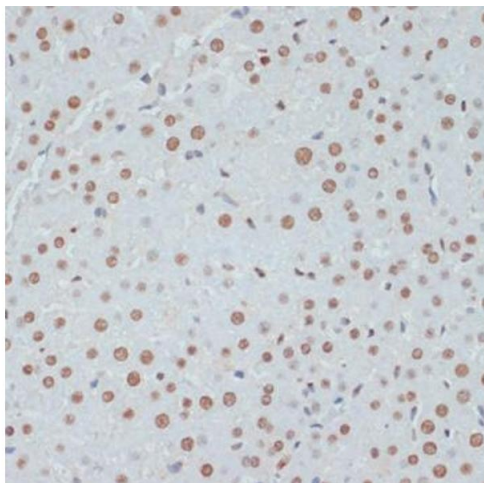


Immunoprecipitation

Image 1. Immunoprecipitation analysis of 200 µg extracts of HT-29 cells, using 3 µg Phospho-p53-S33 pAb (ABIN6135330, ABIN6136276, ABIN6136277 and ABIN6225656). Western blot was performed from the immunoprecipitate using Phospho-p53-S33 pAb (ABIN6135330, ABIN6136276, ABIN6136277 and ABIN6225656) at a dilution of 1:1000. HT-29 cells were treated by nocodazole (100 ng/mL) at 37 °C for 16 hours.

Western Blotting

Image 2. Western blot analysis of extracts of HT-29 cells, using Phospho-p53-S33 pAb (ABIN6135330, ABIN6136276, ABIN6136277 and ABIN6225656) at 1:2000 dilution or p53 antibody (ABIN3017540, ABIN3017541, ABIN3017542 and ABIN6220145). HT-29 cells were treated by Nocodazole (100 ng/mL) for 16 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat liver using Phospho-p53-S33 antibody (ABIN6135330, ABIN6136276, ABIN6136277 and ABIN6225656) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6136276.