

Datasheet for ABIN7271086
anti-p53 antibody (pSer33)



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1 Image

Overview

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

Product Details

Purpose:	Phospho-p53-S33 Rabbit mAb
Immunogen:	A phospho specific peptide corresponding to residues surrounding S33 of human p53
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

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

Target Details

Background:	This gene encodes a tumor suppressor protein containing transcriptional activation, DNA 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). [provided by RefSeq, Dec 2016],BCC7, LFS1, P53, TRP53,AMPK Signaling Pathway,Apoptosis,Apoptosis_Mitochondrial Control of Apoptosis,Cancer,Cell Biology & Developmental Biology,Cell Cycle,Cell Cycle_Cell cycle inhibitors,DNA Damage & Repair,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,ErbB-HER Signaling Pathway,G1/S Checkpoint,G2/M DNA Damage Checkpoint,MAPK-JNK Signaling Pathway,MAPK-P38 Signaling Pathway,Neurodegenerative Diseases,Neuroscience,PI3K-Akt Signaling Pathway,Protein phosphorylation,Signal Transduction,Transcription Factors,Tumor suppressors,Tumor suppressors_p53 pathway,Warburg Effect,TP53
Molecular Weight:	53kDa
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
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

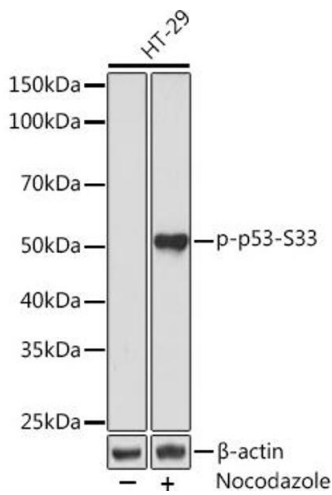
Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of HT-29 cells, using Phospho-p53-S33 Rabbit mAb (ABIN7271086) at 1:1000 dilution. HT-29 cells were treated by nocodazole (100 ng/mL) at 37 °C 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: 3 min.