



[Go to Product page](#)

Datasheet for ABIN7271080

## anti-p53 antibody

### 6 Images

#### Overview

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

#### Product Details

Purpose:	[KO Validated] p53 Rabbit mAb
Immunogen:	A synthesized peptide derived from human p53.
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification
Grade:	KO Validated

#### Target Details

Target:	p53 (TP53)
Alternative Name:	TP53 ( <a href="#">TP53 Products</a> )

## Target Details

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**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,p53,TP53,BMFS5,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

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**Molecular Weight:** 53kDa

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**Gene ID:** 7157

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**UniProt:** [P04637](#)

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**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

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**Application Notes:** WB,1:500 - 1:2000,IHC,1:50 - 1:200,IP,1:50 - 1:200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Buffer:** PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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**Preservative:** Sodium azide

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**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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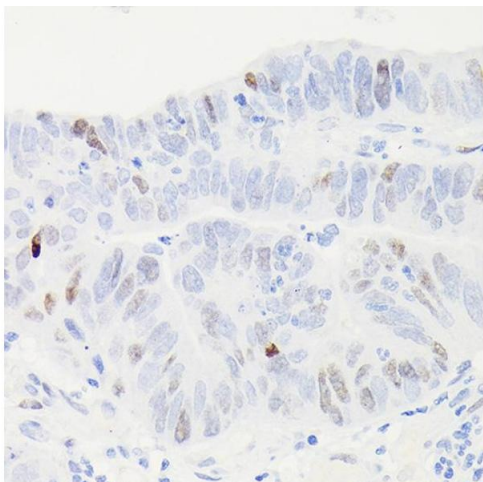
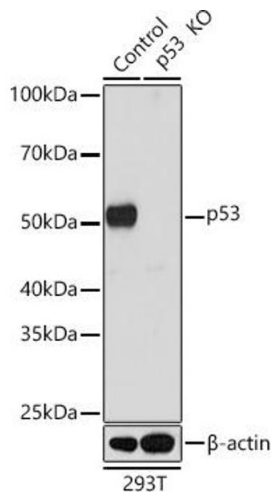
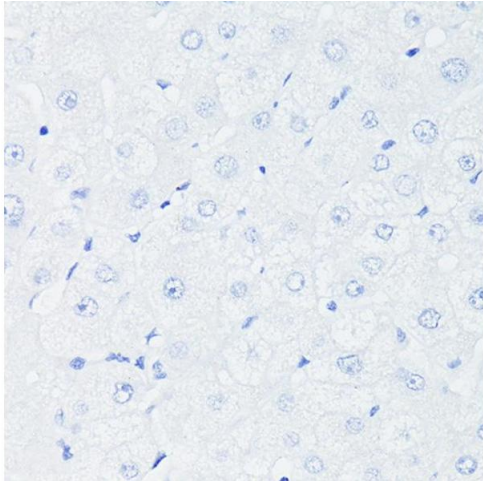
## Handling

should be handled by trained staff only.

Storage: -20 °C

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

## Images



### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded Human liver (negative control sample) using [KO Validated] p53 Rabbit mAb (ABIN7271080) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

### Western Blotting

**Image 2.** Western blot analysis of extracts from wild type (WT) and p53 knockout (KO) 293T cells, using p53 antibody (ABIN7271080) at 1:1000 dilution. 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 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human colon carcinoma using [KO Validated] p53 Rabbit mAb (ABIN7271080) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

## Images

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Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7271080.