

# [KO Validated] p53 Rabbit pAb

Catalog No.: A0263SP **KO Validated** **108 Publications**

## Basic Information

### Observed MW

53 kDa

### Calculated MW

24-44 kDa

### Category

Primary antibody

### Applications

WB, IP, IF/ICC, IHC-P, CHIP, ELISA

### Cross-Reactivity

Human, Mouse

## 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).

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:5000
<b>IP</b>	0.2 µg-4 µg antibody for 200 µg-400 µg extracts of whole cells
<b>IF/ICC</b>	1:200 - 1:1000
<b>IHC-P</b>	1:400 -1:1600
<b>ChIP</b>	2µg antibody for 5µg-10µg of Chromatin
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high- ratio antibody dilutions (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

## Immunogen Information

### Gene ID

7157

### Swiss Prot

P04637

### Immunogen

This information is considered to be commercially sensitive.

### Synonyms

P53; BCC7; LFS1; BMFS5; TRP53; p53

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

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

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.  
May contain 0.05% BSA as specified on the Certificate of Analysis.

## Contact

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 | 400-999-6126

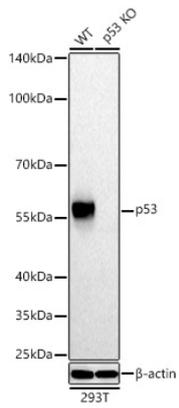
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## Validation Data

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Western blot analysis of lysates from wild type (WT) and p53 knockout (KO) 293T cells using [KO Validated] p53 Rabbit pAb (A0263SP) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) 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: 10 s.