

# p53 Rabbit pAb

Catalog No.: A0263

64 Publications

## Basic Information

### Observed MW

53kDa//53kDa

### Calculated MW

44kDa

### Category

Primary antibody

### Applications

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

### Cross-Reactivity

Human, Mouse, Rat

## 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

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

## Immunogen Information

### Gene ID

7157

### Swiss Prot

P04637

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-393 of human p53 (NP\_000537.3).

### Synonyms

P53; BCC7; LFS1; BMFS5; TRP53; p53

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

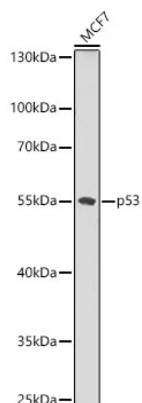
Affinity purification

### Storage

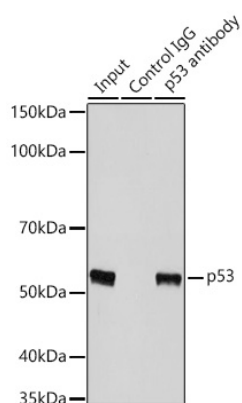
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

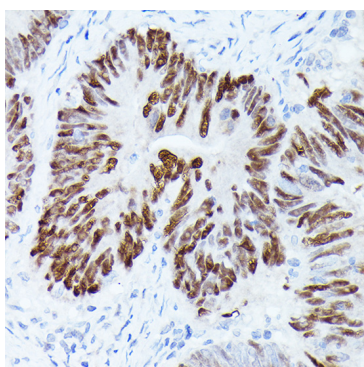
## Validation Data



Western blot analysis of lysates from MCF7 cells using p53 Rabbit pAb(A0263) at 1:1000 dilution.  
Secondary antibody: HRP 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: 30s.



Immunoprecipitation of p53 in 200 µg extracts from 293T cells using 3 µg p53 Rabbit pAb (A0263).  
Western blot analysis was performed using p53 Rabbit pAb (A0263) at 1:3000 dilution.



Immunohistochemistry analysis of p53 in paraffin-embedded human colon carcinoma using p53 Rabbit pAb (A0263) 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.