

# [KO Validated] p53 Rabbit Polyclonal Antibody



CAB11232

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

53kDa

### Calculated MW:

43kDa

### Applications:

WB IHC IF IP

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IF 1:50 - 1:100 IP  
1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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).

## Immunogen information

### Gene ID:

22059

### Uniprot

P02340

### Synonyms:

TP53; BCC7; LFS1; P53; TRP53; Trp53; bbl; bfy; bhy; p44; p53; Tp53

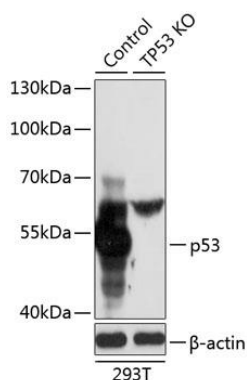
### Immunogen:

A synthetic peptide corresponding to a sequence within amino acids 300 to the C-terminus of mouse p53 (NP\_035770.2).

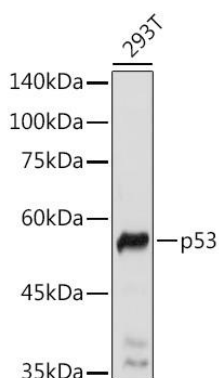
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

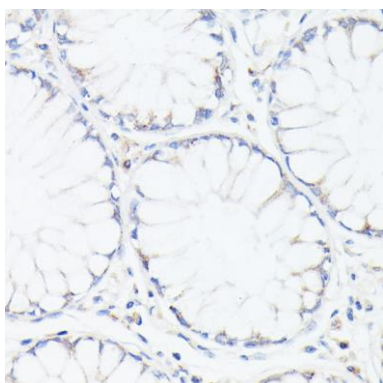
## Product Images



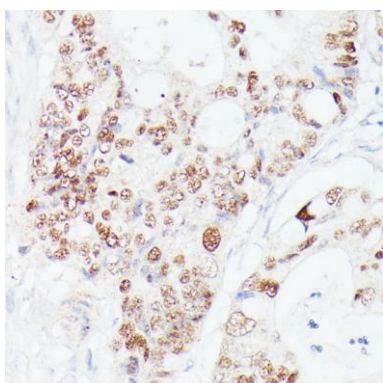
Western blot analysis of extracts from normal (control) and p53 knockout (KO) 293T cells, using p53 antibody (CAB11232) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.



Western blot analysis of extracts of 293T cells, using p53 antibody (CAB11232) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.



Immunohistochemistry of paraffin-embedded human colon using p53 antibody (CAB11232) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon carcinoma using p53 antibody (CAB11232) at dilution of 1:100 (40x lens).