

p53 Rabbit pAb

Catalog No.: A0263 **21 Publications**

Basic Information

Catalog No.

A0263

Observed MW

53KDa

Calculated MW

23-43kDa

Category

Primary antibody

Applications

WB, IHC, IF, ChIP, IP

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

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

Contact

 | www.abclonal.com

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

7157

Swiss Prot

P04637

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-110 of human p53 (NP_000537.3).

Synonyms

BCC7;LFS1;P53;TRP53;p53;TP53;BMFS5

Product Information

Source

Rabbit

Isotype

IgG

Purification

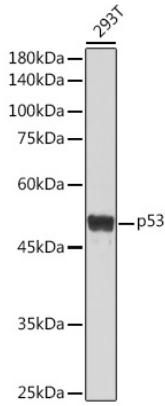
Affinity purification

Storage

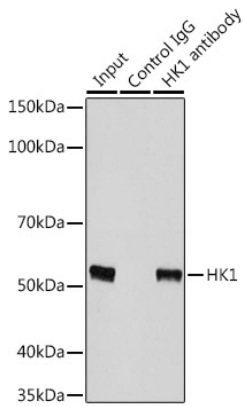
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

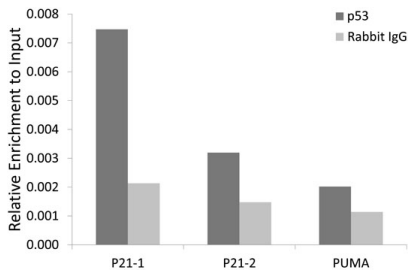
Validation Data



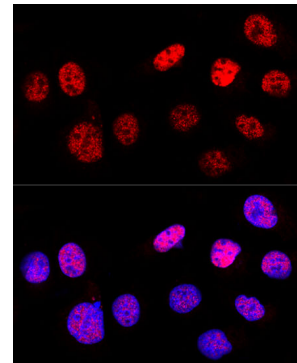
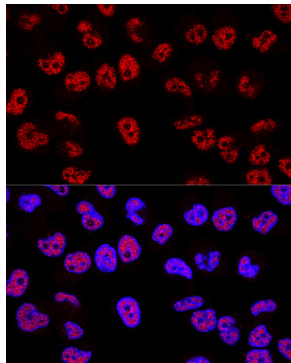
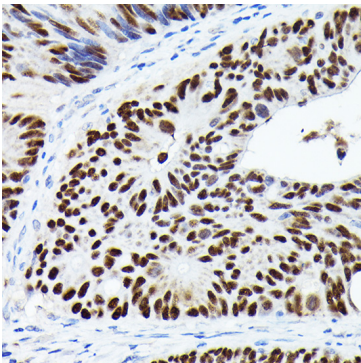
Western blot analysis of extracts of 293T cells, using p53 Rabbit pAb (A0263) at 1:1000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25ug per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 30s.



Immunoprecipitation analysis of 200ug extracts of 293T cells using 3ug HK1 antibody (A0263).
 Western blot was performed from the immunoprecipitate using HK1 (A0263) at a dilution of 1:3000.



Chromatin immunoprecipitation analysis of extracts of 293T cells, using p53 antibody (A0263) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



Validation Data

Immunohistochemistry of paraffin-embedded human colon carcinoma using p53 Rabbit pAb (A0263) at dilution of 1:150 (40x lens).

Confocal immunofluorescence analysis of HeLa cells using p53 Polyclonal Antibody (A0263) at dilution of 1:200. Blue: DAPI for nuclear staining.

Confocal immunofluorescence analysis of U-2 OS cells using p53 Polyclonal Antibody (A0263) at dilution of 1:200. Blue: DAPI for nuclear staining.