

[KO Validated] p53 Rabbit mAb

Catalog No.: A19585 **KO Validated** **Recombinant** **2 Publications**

Basic Information

Catalog No.

A19585

Observed MW

52KDa

Calculated MW

53kDa

Category

Primary antibody

Applications

WB, IHC, IP

Cross-Reactivity

Human, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
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). [provided by RefSeq, Dec 2016]

Immunogen Information

Gene ID	Swiss Prot
7157	P04637

Immunogen

A synthesized peptide derived from human p53.

Synonyms

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

Product Information

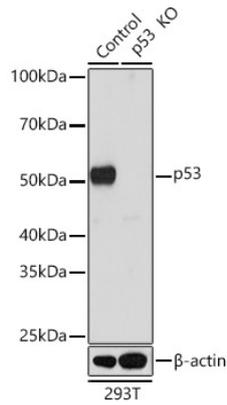
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

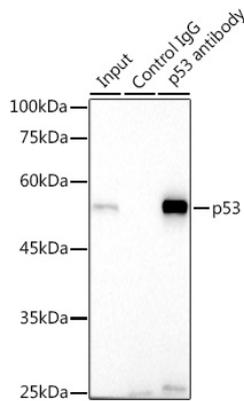
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

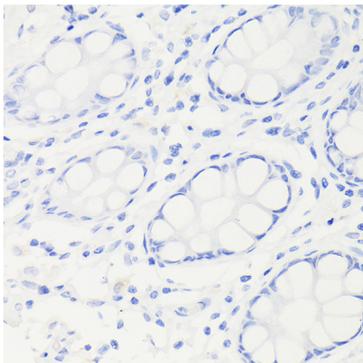
Validation Data



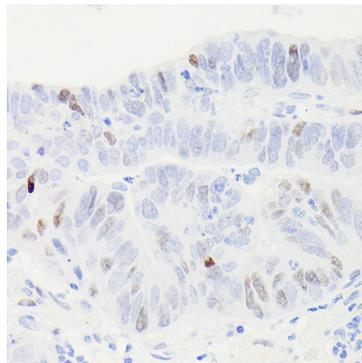
Western blot analysis of extracts from normal (control) and p53 knockout (KO) 293T cells, using p53 antibody (A19585) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



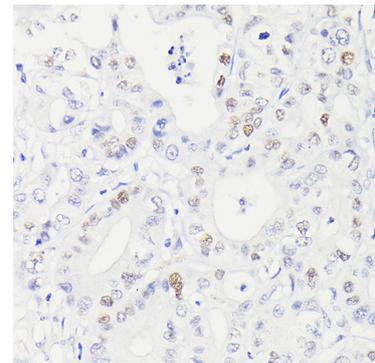
Immunoprecipitation analysis of 300ug extracts of 293T cells using 3ug p53 antibody (A19585).
Western blot was performed from the immunoprecipitate using p53 antibody (A19585) at a dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human colon (negative control sample) using [KO Validated] p53 Rabbit mAb (A19585) 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.

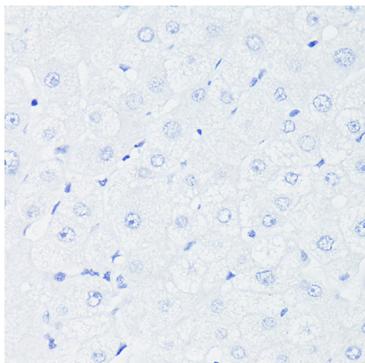


Immunohistochemistry of paraffin-embedded human colon carcinoma using [KO Validated] p53 Rabbit mAb (A19585) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded Human hepatocellular carcinoma using [KO Validated] p53 Rabbit mAb (A19585) 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.

Validation Data



Immunohistochemistry of paraffin-embedded Human liver (negative control sample) using [KO Validated] p53 Rabbit mAb (A19585) 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.