

A22449

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## [KO Validated] p53 Rabbit mAb

Catalog No.: A22449

**KO** Validated

Recombinant

### Basic Information

#### Observed MW

53kDa

#### Calculated MW

44kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

WB, IHC-P, ELISA

#### Cross-Reactivity

Human

#### CloneNo number

ARC50968

### 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 - 1:1000

IHC-P 1:50 - 1:200

### 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; 53

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

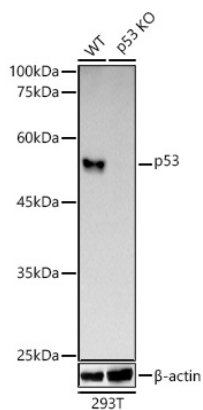
Affinity purification

#### Storage

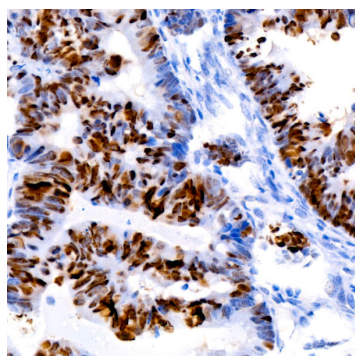
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of extracts from wild type(WT) and p53 knockout (KO) 293T(KO) cells, using p53 antibody (A22449) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded human oophoroma using [KO Validated] p53 Rabbit mAb (A22449) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.