

# Phospho-p53-T55 Rabbit mAb

Catalog No.: AP0986

Recombinant

## Basic Information

**Observed MW**

53kDa

**Calculated MW**

44kDa

**Category**

Primary antibody

**Applications**

WB, ELISA

**Cross-Reactivity**

Human

**CloneNo number**

ARC1530

## 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**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

7157

**Swiss Prot**

P04637

**Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**

P53; BCC7; LFS1; BMFS5; TRP53; Phospho-p53-T55

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

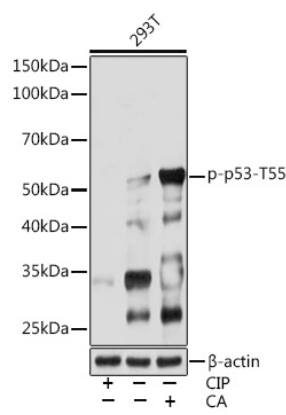
Affinity purification

**Storage**

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

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

Validation Data



Western blot analysis of lysates from 293T cells, using Phospho-p53-T55 Rabbit mAb (AP0986) at 1:1000 dilution. 293T cells were treated with CIP(20uL/400ul) at 37°C for 1 hour or treated with Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% BSA.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.