

Phospho-p53-S15 Rabbit mAb

Catalog No.: AP1504 **Recombinant**

Basic Information

Observed MW

53kDa

Calculated MW

44kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human

CloneNo number

ARC63388

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 1:1000 - 1:3000**IF/ICC** 1:50 - 1:200

Immunogen Information

Gene ID

7157

Swiss Prot

P04637

Immunogen

A synthetic phosphorylated peptide around S15 of human p53 (NP_000537.3).

Synonyms

P53; BCC7; LFS1; BMFS5; TRP53; Phospho-p53-S15

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

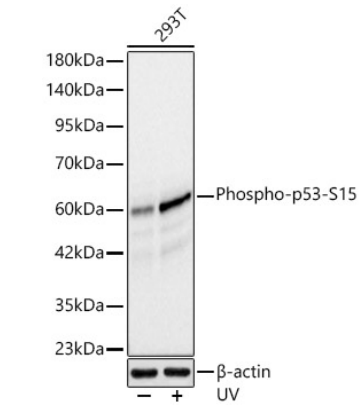
Affinity purification

Storage

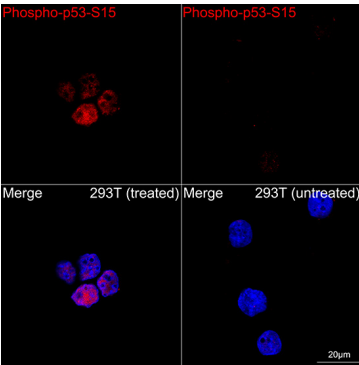
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



Western blot analysis of 293T, using Phospho-p53-S15 Rabbit mAb (AP1504) at 1:3000 dilution. 293T cells were treated by UV at room temperature for 15-30 minutes.
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: 20s.



Confocal imaging of 293T treated with UV and 293T cells using Phospho-p53-S15 Rabbit mAb (AP1504) at dilution of 1:200 (1000x lens). Blue: DAPI for nuclear staining.