

Phospho-p53-S15 Rabbit pAb

Catalog No.: AP0083 **10 Publications**

Basic Information

Observed MW

53kDa

Calculated MW

23-43kDa

Category

Primary antibody

Applications

WB,IP

Cross-Reactivity

Human, Mouse, Rat

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
IP	1:50 - 1:100

Immunogen Information

Gene ID	Swiss Prot
7157	P04637

Immunogen

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

Synonyms

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

Contact

 | www.abclonal.com

Product Information

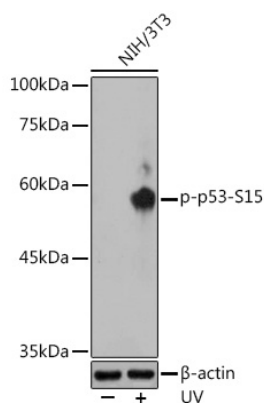
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

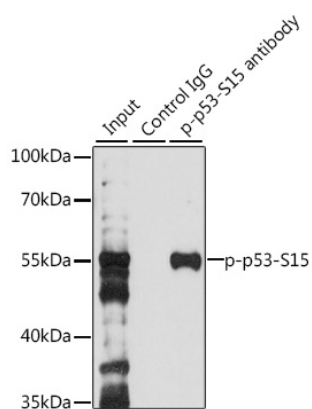
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



Western blot analysis of extracts of NIH/3T3 cells, using Phospho-p53-S15 antibody (AP0083) at 1:500 dilution. NIH/3T3 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% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Immunoprecipitation analysis of 200ug extracts of 293T cells, using 3 ug Phospho-p53-S15 pAb (AP0083). Western blot was performed from the immunoprecipitate using Phospho-p53-S15 pAb (AP0083) at a dilution of 1:1000. 293T cells were treated by UV at room temperature for 30 minutes after serum-starvation overnight, and then treated by 10% FBS at 37°C for 30 minutes.