

Phospho-p53-S15 Rabbit Polyclonal Antibody



CABP0083

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

53kDa

Calculated MW:

23-43kDa

Applications:

WB IF IP

Reactivity:

Human, Mouse, Rat

Protein 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).

Immunogen information

Gene ID:

7157

Uniprot

P04637

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 -
1:200 IP 1:50 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Synonyms:

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

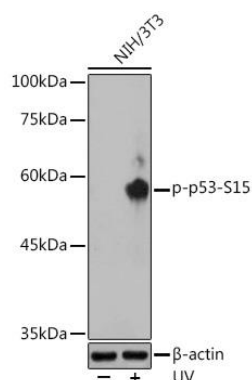
Immunogen:

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

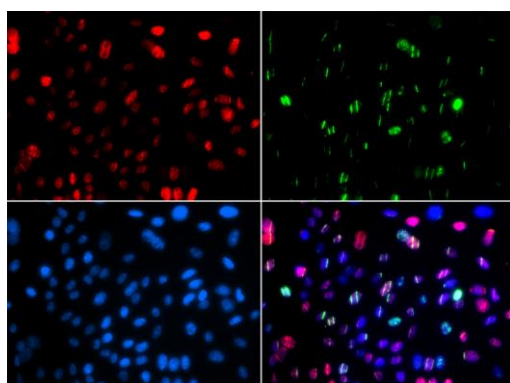
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

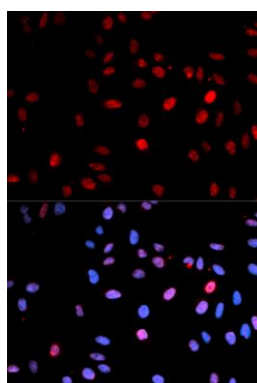
Product Images



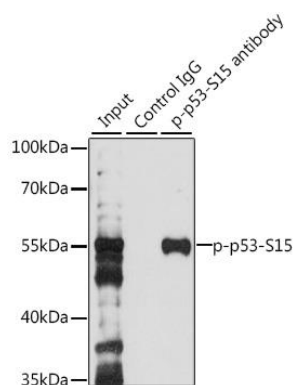
Western blot analysis of extracts of NIH/3T3 cells, using Phospho-p53-S15 antibody (AP0083) at 1:500 dilution. NIH/3T3 cells were treated by UV at room temperature for 15-30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (CABM00020). Exposure time: 180s.



Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using Phospho-p53-S15 antibody (CABP0083). Green: GFP-RNF168 fusion protein expression for DNA damage marker. Blue: DAPI for nuclear staining. RNF168(GFP) can be used to mark cells damaged by UV-A laser for they always gather around DNA damage region.



Immunofluorescence analysis of U2OS cells using Phospho-p53-S15 antibody (CABP0083). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of 293T cells, using 3 ug Phospho-p53-S15 pAb (CABP0083). Western blot was performed from the immunoprecipitate using Phospho-p53-S15 pAb (CABP0083) 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.