Leader in Biomolecular Solutions for Life Science

www.abclonal.com

[KO Validated] Phospho-p53-S15 Rabbit mAb

Catalog No.: AP1504 KO Validated Recombinant

Basic Information

Observed MW
53 kDa/

Calculated MW
44 kDa

Category
Primary antibody

Applications
WB,IF/ICC,ELISA

Cross-Reactivity
Human, Mouse

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
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-S15

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

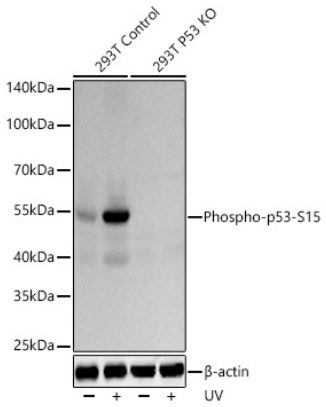
Source
Rabbit

Isotype
IgG

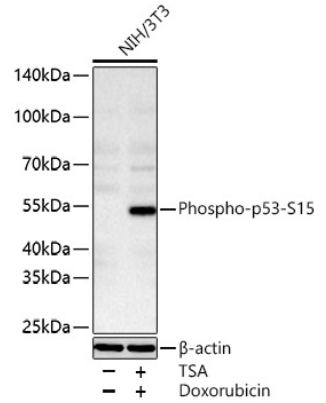
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

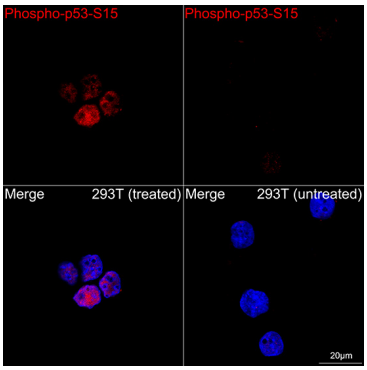
Validation Data



Western blot analysis of lysates from wild type (WT) and p53 knockout (KO) 293T cells using [KO Validated] Phospho-p53-S15 Rabbit mAb (AP1504) at 1:3000 dilution incubated overnight at 4℃. 293T cells and P53 knockout (KO) 293T cells were treated with UV at room temperature for 15-30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30 s.



Western blot analysis of lysates from NIH/3T3 cells using [KO Validated] Phospho-p53-S15 Rabbit mAb (AP1504) at 1:1000 dilution incubated overnight at 4℃. NIH/3T3 cells were treated with TSA (400 nM) and Doxorubicin (1.5 µM) at 37℃ for 24 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.



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