Phospho-p53-S9 Rabbit pAb

Catalog No.: AP0085



Basic Information

Observed MW

55kDa

Calculated MW

44kDa

Category

Primary antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human

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 0.5μg-4μg antibody for 200μg-400μg extracts of

whole cells

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID Swiss Prot 7157 P04637

Immunogen

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

Synonyms

P53; BCC7; LFS1; BMFS5; TRP53; Phospho-p53-S9

Contact

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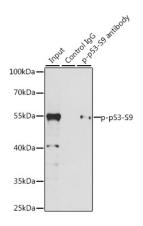
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

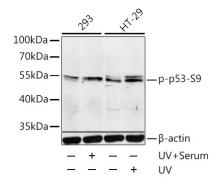
Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Immunoprecipitation analysis of 200 μ g extracts of 293T cells, using 3 μ g Phospho-p53-S9 pAb (AP0085). Western blot was performed from the immunoprecipitate using Phospho-p53-S9 pAb (AP0085) at a dilution of 1:1000. 293T cells were treated with UV at room temperature for 30 minutes after serum-starvation overnight, and then treated with 10% FBS at 37°C for 30 minutes.



Western blot analysis of lysates from 293 and HT-29 cells, using Phospho-p53-S9 Rabbit pAb (AP0085) at 1:1000 dilution. 293 cells were treated with UV for 15-30 minutes. HT-29 cells were treated with UV for 15-30 minutes.

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: 3min.