

AP0476

Leader in Biomolecular Solutions for Life Science



Phospho-p53-S46 Rabbit pAb

Catalog No.: AP0476

1 Publications

Basic Information

Observed MW

53kDa

Calculated MW

44kDa

Category

Polyclonal 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 - 1:1000

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

7157

Swiss Prot

P04637

Immunogen

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

Synonyms

P53; BCC7; LFS1; BMFS5; TRP53; Phospho-p53-S46

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

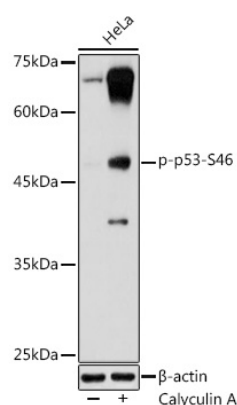
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Contact



www.abclonal.com

Validation Data



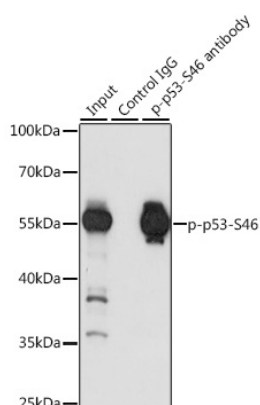
Western blot analysis of lysates from HeLa cells, using Phospho-p53-S46 Rabbit pAb (AP0476) at 1:1000 dilution. HeLa cells were treated with Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunoprecipitation analysis of 200 µg extracts of 293T cells, using 3 µg Phospho-p53-S46 pAb (AP0476). Western blot was performed from the immunoprecipitate using Phospho-p53-S46 pAb (AP0476) 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.