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Phospho-p53-S46 Rabbit pAb

Catalog No.: AP0476 **1 Publications**

Basic Information

Observed MW
53kDa

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 - 1:1000
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

Contact

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Product Information

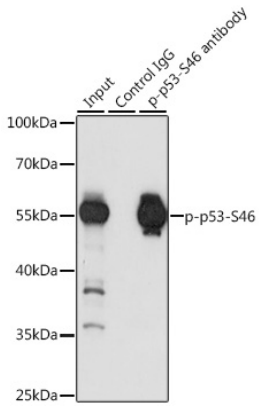
Source
Rabbit

Isotype
IgG

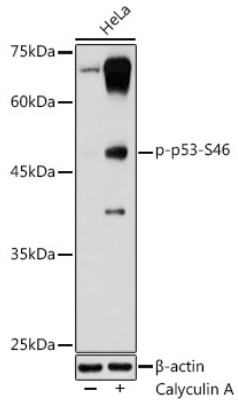
Purification
Affinity purification

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

Validation Data



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℃ for 30 minutes.



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℃ 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.