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Acetyl-p53-K382 Rabbit mAb

Catalog No.: A16324 Recombinant 6 Publications

Basic Information

Observed MW
53kDa

Calculated MW
44kDa

Category
Primary antibody

Applications
WB,ELISA

Cross-Reactivity
Human, Mouse

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
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
A synthetic acetylated peptide around K382 of human p53 (NP_000537.3).

Synonyms
P53; BCC7; LFS1; BMFS5; TRP53; Acetyl-p53-K382

Contact

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Product Information

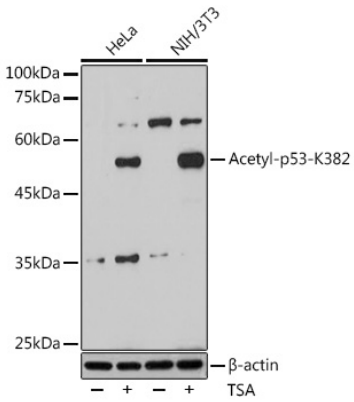
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using Acetyl-p53-K382 Rabbit mAb (A16324) at 1:1000 dilution.
HeLa cells and NIH/3T3 cells were treated by TSA (1 uM) at 37℃ for 18 hours.
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: 180s.