Leader in Biomolecular Solutions for Life Science

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Phospho-p53-S33 Antibody kit

Catalog No.: RK05763 4 Publications

Basic Information

Observed MW
55kDa

Calculated MW
44kDa

Category
Primary antibody

Recommended Dilutions

AP0762	**WB**	1:500 - 1:2000
A3185	**WB**	1:500 - 1:1000

For more information please visit *www.abclonal.com*

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Contact

400-999-6126

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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).

Component

Catalog No.	Product Name	Applications	Cross-Reactivity
AP0762	Phospho-p53-S33 Rabbit pAb	ELISA,WB,IHC-P,IP	Human, Mouse, Rat
A3185	p53 Rabbit pAb	ELISA,WB,IHC-P,IF/ICC,IP	Human, Mouse, Rat

Immunogen Information

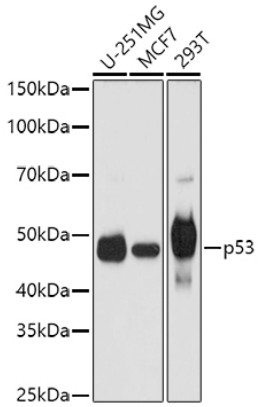
Gene ID
7157

Swiss Prot
P04637

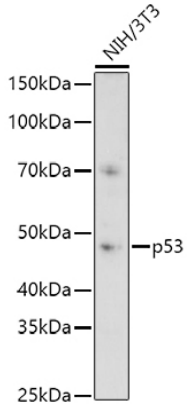
Immunogen
A synthetic phosphorylated peptide around S33 of human p53 (NP_000537.3).
A synthetic peptide corresponding to a sequence within amino acids 1-100 of human p53 (NP_000537.3).

Synonyms
BCC7;LFS1;P53;TRP53;p53;TP53;BMFS5

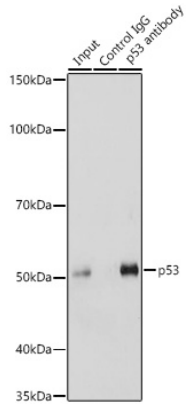
Validation Data



Western blot analysis of extracts of various cell lines, using p53 antibody (A3185) at 1:1000 dilution.
Secondary antibody: HRP 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: 10s.

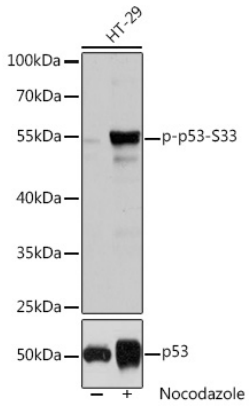


Western blot analysis of extracts of NIH/3T3 cells, using p53 antibody (A3185) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

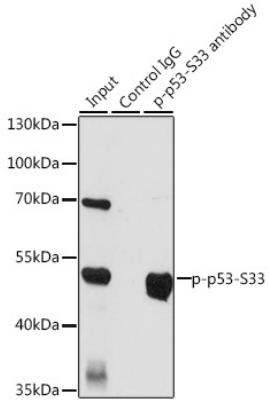


Immunoprecipitation analysis of 200 µg extracts of U-251MG cells using 3 µg p53 Rabbit pAb (A3185).
Western blot was performed from the immunoprecipitate using p53 Rabbit pAb (A3185) at a dilition of 1:1000.

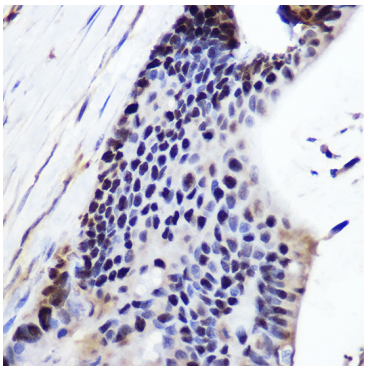
Validation Data



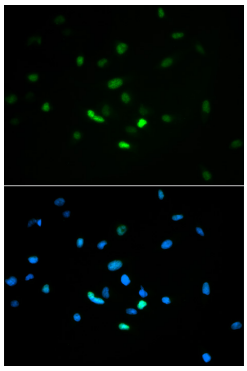
Western blot analysis of extracts of HT-29 cells, using Phospho-p53-S33 pAb (AP0762) at 1:2000 dilution or p53 antibody (A3185).HT-29 cells were treated by Nocodazole (100ng/mL) for 16 hours.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



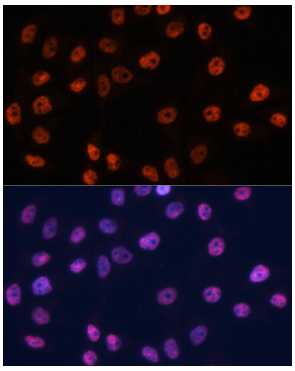
Immunoprecipitation analysis of 200 µg extracts of HT-29 cells, using 3 µg Phospho-p53-S33 pAb (AP0762). Western blot was performed from the immunoprecipitate using Phospho-p53-S33 pAb (AP0762) at a dilution of 1:1000. HT-29 cells were treated by nocodazole (100 ng/mL) at 37℃ for 16 hours.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using p53 Rabbit pAb (A3185) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

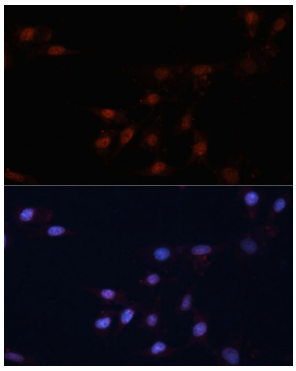


Immunofluorescence analysis of MCF-7 cells using p53 antibody (A3185).

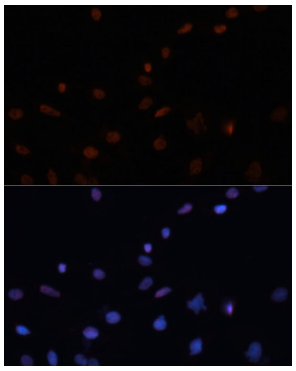


Immunofluorescence analysis of HeLa cells using p53 antibody (A3185) at dilution of 1:100. Blue: DAPI for nuclear staining.

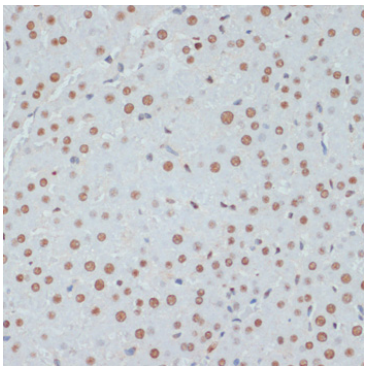
Validation Data



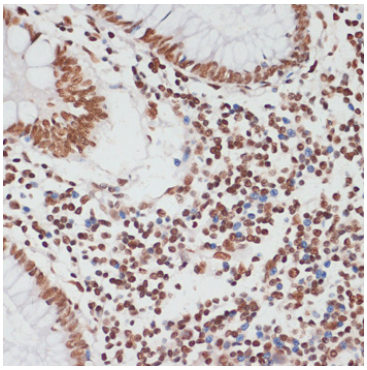
Immunofluorescence analysis of NIH/3T3 cells using p53 antibody (A3185) at dilution of 1:100. Blue: DAPI for nuclear staining.



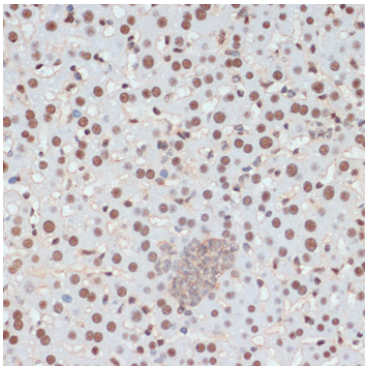
Immunofluorescence analysis of C6 cells using p53 antibody (A3185) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded rat liver using Phospho-p53-S33 antibody (AP0762) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human colon using Phospho-p53-S33 antibody (AP0762) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse liver using Phospho-p53-S33 antibody (AP0762) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.