

Rabbit p53-S15 Polyclonal Antibody | anti-TP53 antibody

Phospho-p53-S15 Polyclonal Antibody

CATALOG # AAA36737	HOST Rabbit	APPLICATIONS Immunofluorescence, Western Blot
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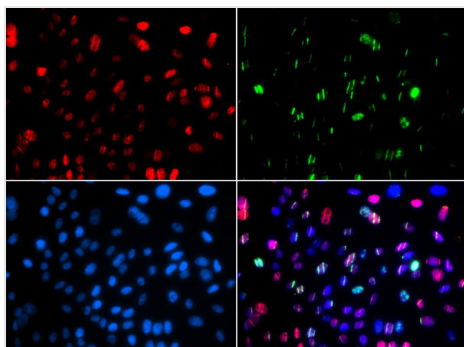
PRODUCT SYNONYMS

p53-S15; Polyclonal Antibody; Phospho-p53-S15 Polyclonal Antibody; Phospho-TP53-S15: TP53; P53; LFS1; TRP53; FLJ92943; anti-TP53 antibody

PRODUCT SPECIFICATIONS

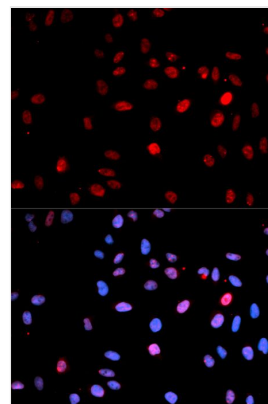
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	393
Applicable Applications for anti-TP53 antibody	IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A phospho specific peptide corresponding to residues surrounding S15 of human p53 (NP_000537.3).
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



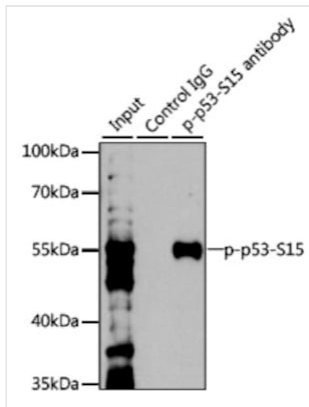
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using Phospho-p53-S15 antibody. Blue: DAPI for nuclear staining.



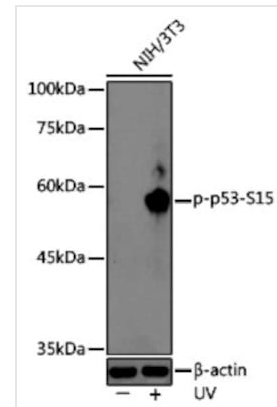
IF (Immunofluorescence)

Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using Phospho-TP53-S15 antibody. Green:GFP-RNF168 fusion protein expression for DNA damage marker.Blue: DAPI for nuclear staining. RNF168(GFP) can be used to mark cells damaged by UV-A laser for they always gather around DNA damage region.



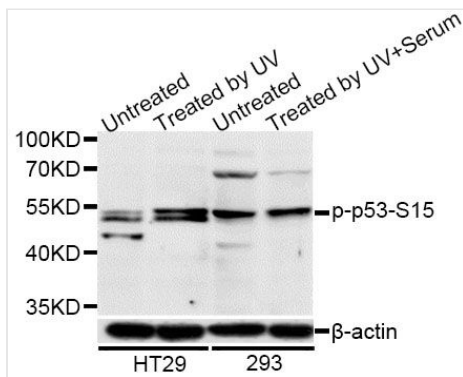
WB (Western Blot)

Immunoprecipitation analysis of 200ug extracts of 293T cells, using 3 ug Phospho-p53-S15 pAb (AAA36737). Western blot was performed from the immunoprecipitate using Phospho-p53-S15 pAb (AAA36737) at a dilution of 1:1000. 293T cells were treated by UV at room temperature for 30 minutes after serum-starvation overnight, and then treated by 10% FBS at 37°C for 30 minutes.



WB (Western Blot)

Western blot analysis of extracts of NIH/3T3 cells, using Phospho-p53-S15 antibody (AAA36737) at 1:500 dilution. NIH/3T3 cells were treated by UV at room temperature for 15-30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



WB (Western Blot)

Western blot analysis of extracts of HT-29 and 293 cells, using Phospho-p53-S15 antibody at 1:1000 dilution. HT-29 cells were treated by UV for 15-30 minutes. 293 cells were treated by UV for 15-30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit. Exposure time: 5min.

ADDITIONAL INFORMATION

Related Product Information for anti-TP53 antibody

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).

Product Categories/Family for anti-TP53 antibody

Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	269849759
NCBI GeneID	7157
UniProt Accession #	P04637; Q15086; Q15087; Q15088; Q16535; Q16807; Q16808; Q16809; Q16810; Q16811; Q16848; Q2XN98
Molecular Weight	Observed MW: 53kDa Calculated MW: 23-43kDa

NCBI Official Full Name	Cellular tumor antigen p53
NCBI Official Synonym Full Names	tumor protein p53
NCBI Official Symbol	TP53
NCBI Official Synonym Symbols	P53; BCC7; LFS1; TRP53
NCBI Protein Information	cellular tumor antigen p53; antigen NY-CO-13; tumor protein 53; phosphoprotein p53; p53 tumor suppressor; mutant tumor protein 53; transformation-related protein 53
UniProt Protein Name	Cellular tumor antigen p53
UniProt Gene Name	TP53
UniProt Synonym Gene Names	P53
UniProt Entry Name	P53_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/p53-s15-antibody-immunofluorescence-western-blot-elisa/36737>