

Rabbit anti-Human p53 Polyclonal Antibody | anti-TP53 antibody

p53 Antibody (S15)

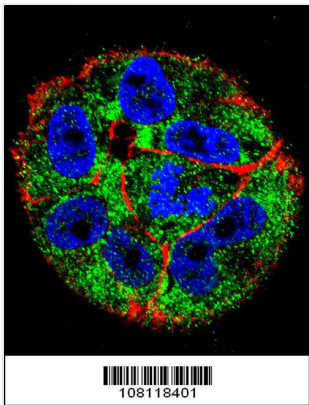
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290359	Rabbit	Human	Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

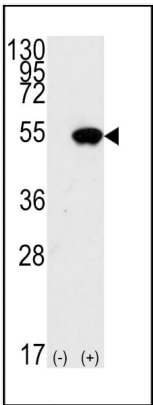
p53; Polyclonal Antibody; p53 Antibody (S15); Cellular tumor antigen p53; Antigen NY-CO-13; Phosphoprotein p53; Tumor suppressor p53; TP53; P53; anti-TP53 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This p53 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from human p53.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.25 (varies by lot)
Sequence Positions	1-30
Sequence Length	214
Applicable Applications for anti-TP53 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of p53 Antibody (S15) with A2058 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
Western blot analysis of TP53(arrow) using rabbit polyclonal p53 Antibody (S15). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the TP53 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-TP53 antibody	Tumor protein p53, a nuclear protein, plays an essential role in the regulation of cell cycle, specifically in the transition from G0 to G1. It is found in very low levels in normal cells, however, in a variety of transformed cell lines, it is expressed in high amounts, and believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing DNA-binding, oligomerization and transcription activation domains. It is postulated to bind as a tetramer to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumor suppressor. Mutants of p53 that frequently occur in a number of different human cancers fail to bind the consensus DNA binding site, and hence cause the loss of tumor suppressor activity. Alterations of the TP53 gene occur not only as somatic mutations in human malignancies, but also as germline mutations in some cancer-prone families with Li-Fraumeni syndrome.
Product Categories/Family for anti-TP53 antibody	Cancer; Cell Biology; Microbiology; Signal Transduction; Amyotrophic Lateral Sclerosis (ALS)
References	Blanchette, P., et al., Mol. Cell. Biol. 24(21):9619-9629 (2004). Adachi, K., et al., Oncogene 23(47):7791-7798 (2004). Zhang, Y., et al., J. Biol. Chem. 279(41):42545-42551 (2004). Anazawa, Y., et al., Oncogene 23(46):7621-7627 (2004). Montagnoli, A., et al., Cancer Res. 64(19):7110-7116 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	120407068
NCBI GeneID	7157
NCBI Accession #	NP_000537.3; NP_001119584.1; NP_001119585.1; NP_001119586.1; NP_001119587.1; NP_001119588.1; NP_001119589.1; NP_001119590.1; NP_001263624.1; NP_001263625.1; NP_001263626.1; NP_001263627.1; NP_001263628.1; NP_00126
NCBI GenBank Nucleotide #	NM_000546.5
UniProt Accession #	P04637; Q15086; Q15087; Q15088; Q16535; Q16807; Q16808; Q16809; Q16810; Q16811; Q16848; Q2XN98
Molecular Weight	43653
NCBI Official Full Name	cellular tumor antigen p53 isoform a
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
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://www.aaabiotech.com/polyclonal/p53-antibody-immunofluorescence-western-blot-elisa/290359>