

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

Rabbit Anti-Human p53 Polyclonal

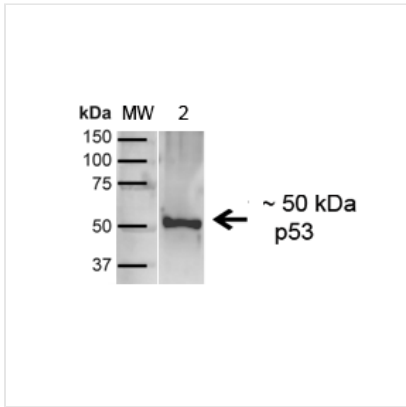
CATALOG # AAA103853	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

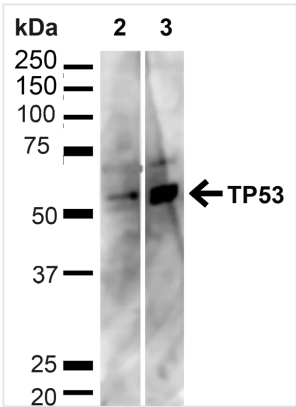
p53; Polyclonal Antibody; Rabbit Anti-Human p53 Polyclonal; TP53 Antibody; Tumor Protein 53 Antibody; BCC7 Antibody; LFS1 Antibody; TRP53 Antibody; p53 tumor suppressor Antibody; p53 Antibody; HRP; p53 Antibody; anti-p53 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Peptide Affinity Purified
Concentration	1 mg/ml (varies by lot)
Sequence Length	393
Applicable Applications for anti-p53 antibody	WB (Western Blot)
Immunogen	Synthetic peptide from the C-terminal of human tumor protein p53.
Immunogen Species	Human
COA	A 1:1000 dilution was sufficient for detection of p53 on HeLa cell lysates using Goat anti-rabbit IgG:HRP as the secondary antibody.
Storage Buffer	PBS, 50% glycerol, 0.09% sodium azide
Conjugate	HRP
Cellular Localization	Cytoplasm, Nucleus, PML body, Endoplasmic Reticulum, Mitochondrion matrix
Preparation and Storage	Store at -20 degree C



WB (Western Blot)
Western blot analysis of Human A431 showing detection of ~43.7kDa p53 protein using Rabbit Anti-p53 Polyclonal Antibody (SPC-682). Lane 1: MW Ladder. Lane 2: Human A431 (20 ug). Load: 20 ug. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Rabbit Anti-p53 Polyclonal Antibody (SPC-682) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit: HRP at 1:2000 for 1 hour at RT. Color Development: TMB solution for 12 min at RT. Predicted/Observed Size: ~43.7kDa.



WB (Western Blot)
Western blot analysis of Human HeLa and HEK293T cell lysates showing detection of ~43.7kDa p53 protein using Rabbit Anti-p53 Polyclonal Antibody (SPC-682). Lane 1: MW Ladder. Lane 2: Human HeLa (20 ug). Lane 3: Human 293T (20 ug). Load: 20 ug. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Rabbit Anti-p53 Polyclonal Antibody (SPC-682) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit: HRP at 1:2000 for 1 hour at RT. Color Development: TMB solution for 12 min at RT. Predicted/Observed Size: ~43.7kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-p53 antibody	The p53 protein (tumor protein 53 or TP53) is a DNA-binding cell cycle-regulating transcription factor that governs cell division and the fine balance between cell death and cell survival (1). P53 plays a critical role in tumor suppression and hence it is often described as "the guardian of the genome", "the guardian angel gene", or the "master watchman." This also refers to its role in conserving stability by preventing genome mutation (2). Defects in p53 are linked to >50% of human cancers, and restoring p53 function to these cancer cells can induce growth arrest and apoptosis (3). When p53 has been damaged, it can also lead to autoimmune disorders (4, 5).
Product Categories/Family for anti-p53 antibody	Cancer; Apoptosis
References	1. Georescu C.V., Saftoiu A., Georgescu C.C., Ciurea R. and Ciurea T. (2007) J Gastrointestin Liver Dis. 16(2): 133-9. 2. Strachan T., et al. (1999) Human Molecular Genetics 2. Ch. 18: Cancer Genetics. 3. Hansen J.E., et al. (2007) Cancer Research 67: 1769-1774. 4. Di Cesare E., et al. (2001) Ann Clin Lab Sci 31: 253-8. 5. Akere A., Otegbayo J.A. (2007) Singapore Med J. 48(1): 41-4.

NCBI AND UNIPROT INFORMATION

NCBI GI #	120407068
NCBI GeneID	7157
NCBI Accession #	NP_000537.3
NCBI GenBank Nucleotide #	NM_000546.5
UniProt Accession #	P04637; Q15086; Q15087; Q15088; Q16535; Q16807; Q16808; Q16809; Q16810; Q16811; Q16848; Q2XN98
Molecular Weight	Predicted molecular weight at ~43.7kDa. Observed bands at ~53kDa.
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://stage.aaabiotech.com/polyclonal/p53-antibody-western-blot-elisa/103853>