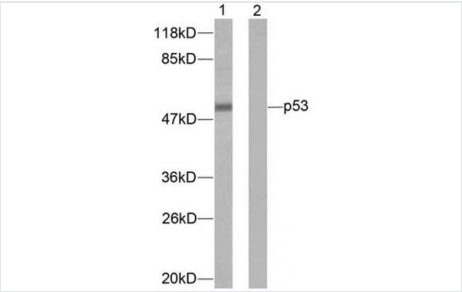
p53 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	p53, Polyclonal Antibody
Full Product Name	p53 antibody
Product Gene Name	anti-p53 antibody
Product Synonym Names	Rabbit polyclonal p53 antibody; Polyclonal p53 antibody; Anti-p53 antibody; p 53 antibody; p-53 antibody; Ab 46 antibody; p-53; p53 Oncoprotein antibody; p 53; p53; tumor suppressing protein antibody; tumor suppressor homolog p53 antibody
Clonality	Polyclonal
Host	Rabbit
Form/Format	Liquid form in PBS buffer (no MG2+ or Ca2+), pH 7.4, 150 mm NaCl,0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified by immunoaffinity chromatography.
Concentration	1 mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at-20 degree C for long term storage. Avoid repeated freeze/thaw cycles.
Molecular Weight	24,401 Da
OMIM	133239
Immunogen	p53 antibody was raised in Rabbit using the peptide sequence around aa 44~48 (M-L-S-P-D) derived from Human p53 as the immunogen.
Cross-Reactivity	Human
Product Categories/Family for anti-p53 antibody	DNA & RNA
Applications Tested/Suitable for anti-p53 antibody	Western Blot (WB)
Application Notes for anti-p53 antibody	WB: 1:500-1:1000
Related Product Information for anti-p53 antibody	The p53 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.
Other Notes	Small volumes of anti-p53 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for p53 purchase	MBS5309697 is an antibody targeting p53. Also known as p53 antibody. Host: Rabbit.



Testing Data of anti-p53 antibody
Western Blot analysis of extracts from HT29 cells using p53 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for p53. It may not necessarily be applicable to this product.

NCBI GI #	23491729
NCBI GeneID	7157
NCBI Accession #	BAC16799.1
UniProt Secondary Accession #	Q15086; Q15087; Q15088; Q16535; Q16807; Q16808; Q16809; Q16810; Q16811; Q16848; Q2XN98
UniProt Related Accession #	P04637
NCBI Official Full Name	P53
NCBI Official Synonym Full Names	tumor protein p53
NCBI Official Symbol	TP53
NCBI Official Synonym Symbols	P53; BCC7; LFS1; TRP53
UniProt Protein Name	Cellular tumor antigen p53
UniProt Synonym Protein Names	Antigen NY-CO-13; Phosphoprotein p53; Tumor suppressor p53
Protein Family	p53 and DNA damage-regulated protein
UniProt Gene Name	TP53
UniProt Synonym Gene Names	P53
NCBI Protein Information	cellular tumor antigen p53
NCBI Summary for p53	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). [provided by RefSeq, Dec 2016]

UniProt Comments for p53	Acts as a tumor suppressor in many tumor types; induces growth arrest or apoptosis depending on the physiological circumstances and cell type. Involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. One of the activated genes is an inhibitor of cyclin-dependent kinases. Apoptosis induction seems to be mediated either by stimulation of BAX and FAS antigen expression, or by repression of Bcl-2 expression. In cooperation with mitochondrial PPIF is involved in activating oxidative stress-induced necrosis; the function is largely independent of transcription. Induces the transcription of long intergenic non-coding RNA p21 (lincRNA-p21) and lincRNA-Mkln1. LincRNA-p21 participates in TP53-dependent transcriptional repression leading to apoptosis and seem to have to effect on cell-cycle regulation. Implicated in Notch signaling cross-over. Prevents CDK7 kinase activity when associated to CAK complex in response to DNA damage, thus stopping cell cycle progression. Isoform 2 enhances the transactivation activity of isoform 1 from some but not all TP53-inducible promoters. Isoform 4 suppresses transactivation activity and impairs growth suppression mediated by isoform 1. Isoform 7 inhibits isoform 1-mediated apoptosis. Regulates the circadian clock by repressing CLOCK-ARNTL/BMAL1-mediated transcriptional activation of PER2 (PubMed:24051492).
Research Articles on p53	**1.** Data indicate that nuclear envelope rupture in cancer cells is likely due to loss of either the Rb or the p53 pathway.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-antibody/p53/5309697