

Rabbit TP53 Polyclonal Antibody | anti-TP53 antibody

TP53 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197605	Rabbit	Cow, Guinea Pig, Horse, Human, Pig, Rabbit, Rat, Sheep	Western Blot

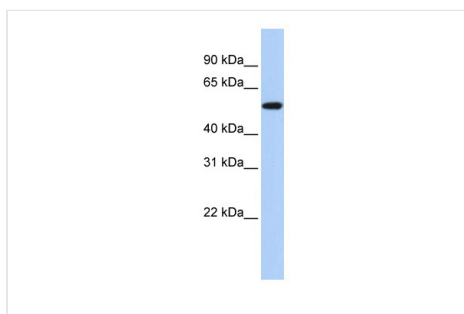
PRODUCT SYNONYMS

TP53; Polyclonal Antibody; TP53 antibody - N-terminal region; anti-TP53 antibody

PRODUCT SPECIFICATIONS

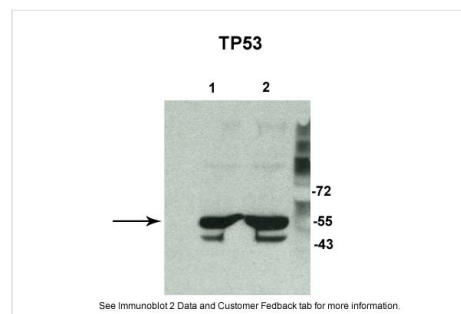
Host	Rabbit
Reactivity	Cow, Guinea Pig, Horse, Human, Pig, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: EE PQSDPSVEPP LSQETFSDLW KLLPENNVLS PLPSQAMDDL MLSPDDIE
Sequence Length	393
Applicable Applications for anti-TP53 antibody	WB (Western Blot)
Homology	Cow: 100%; Guinea Pig: 86%; Horse: 90%; Human: 100%; Pig: 100%; Rabbit: 86%; Rat: 86%; Sheep: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human TP53
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-TP53 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:12500
Positive Control: 293T cell lysate
TP53 is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells



WB (Western Blot)

Sample Type: Human
Sample Type: 1. and 2. Human Cystic Fibrosis Bronchial Epithelial Cells (35ug)
Primary Dilution: 1:1000
Secondary Antibody: goat anti-rabbit-HRP
Secondary Dilution: 1:5000
Image Submitted By: Dr. Haouaria Balghi
McGill University

ADDITIONAL INFORMATION

Related Product Information for anti-TP53 antibody	This is a rabbit polyclonal antibody against TP53. It was validated on Western Blot using a cell lysate as a positive control. Target Description: TP53 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. This gene encodes tumor protein p53, which responds to diverse cellular stresses to regulate target genes that induce cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. p53 protein is expressed at low level in normal cells and at a high level in a variety of transformed cell lines, where it's believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing transcription activation, DNA-binding, and oligomerization domains. It is postulated to bind 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 this gene occur not only as somatic mutations in human malignancies, but also as germline mutations in some cancer-prone families with Li-Fraumeni syndrome. Multiple p53 variants due to alternative promoters and multiple alternative splicing have been found. These variants encode distinct isoforms, which can regulate p53 transcriptional activity.
Product Categories/Family for anti-TP53 antibody	Polyclonal ; Transcription Factor ; Transcription Regulation ; Cell Cycle Proteins ; DNA Damage & Repair ; Apoptosis ; Disease Related ; DNA/RNA/Protein Interactions ; Meiosis/Mitosis/Cell Cycle

NCBI AND UNIPROT INFORMATION

NCBI GI #	120407068
NCBI GeneID	7157
NCBI Accession #	NP_000537
NCBI GenBank Nucleotide #	NM_000546
UniProt Accession #	P04637
Molecular Weight	44kDa
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; BMFS5; 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.