

Mouse p53 Tumor Suppressor Protein Monoclonal Antibody | anti-TP53 antibody

p53 Tumor Suppressor Protein Mouse Monoclonal Antibody

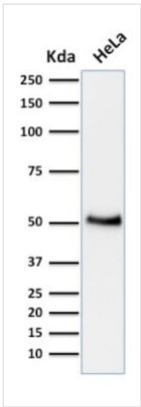
CATALOG # AAA62553	HOST Mouse	REACTIVITY Chicken, Dog, Hamster, Human, Monkey	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	----------------------	---	---

PRODUCT SYNONYMS

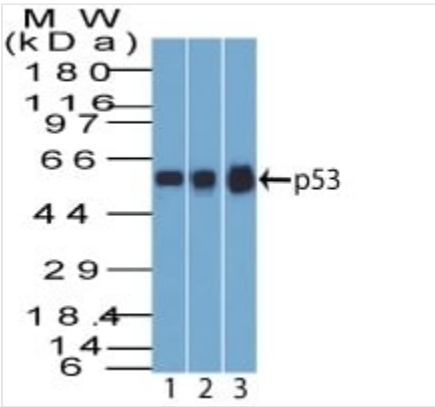
p53 Tumor Suppressor Protein; Monoclonal Antibody; p53 Tumor Suppressor Protein Mouse Monoclonal Antibody; Antigen NY-CO-13; BCC7; Cellular Tumor Antigen p53; LFS1; TP53; Transformation Related Protein 53 (TRP53); Tumor Protein p53; Tumor Suppressor p53; anti-TP53 antibody

PRODUCT SPECIFICATIONS

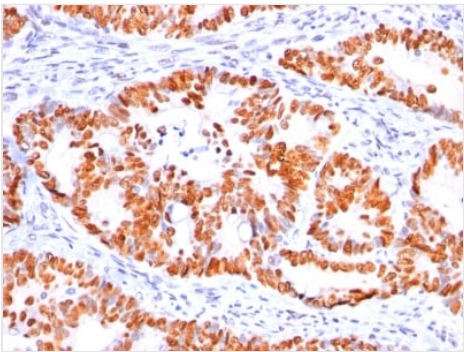
Host	Mouse
Reactivity	Chicken, Dog, Hamster, Human, Monkey
Clonality	Monoclonal
Isotype	IgG2a/Kappa
Clone Number	BP53-12
Specificity	This MAb reacts with an N-terminal epitope (aa 16-25) of both wild type and mutated p53. Mutation and/or allelic loss of p53 is one of the causes of a variety of mesenchymal and epithelial tumors. If it occurs in the germ line, such tumors run in families. In most transformed and tumor cells the concentration of p53 is increased 51000 fold over the minute concentrations (1000 molecules cell) in normal cells, principally due to the increased half-life (4 h) compared to that of the wild-type (20 min). p53 Localizes in the nucleus, but is detectable at the plasma membrane during mitosis and when certain mutations modulate cytoplasmic/nuclear distribution. Mutations arise with an average frequency of 70% but incidence varies from zero in carcinoid lung tumors to 97% in primary melanomas. High concentrations of p53 protein are transiently expressed in human epidermis and superficial dermal fibroblasts following mild ultraviolet irradiation. Positive nuclear staining with p53 antibody has been reported to be a negative prognostic factor in breast carcinoma, lung carcinoma, colorectal, and urothelial carcinoma. Anti-p53 positivity has also been used to differentiate uterine serous carcinoma from endometrioid carcinoma as well as to detect intratubular germ cell neoplasia.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	393
Applicable Applications for anti-TP53 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Cellular Localization	Centrosome, Cytoplasm, Cytoskeleton, Endoplasmic reticulum, Microtubule organizing center, Mitochondrion matrix, Nucleus, PML body
Positive Control	MDA-MB-231 Cells. Breast or Colon carcinoma
Immunogen	Recombinant human wild-type p53 protein
Research Area	AKT Signaling, Apoptosis, Bladder Cancer, Breast Cancer, Cancer, Cardiovascular, Colon Cancer, Cytokine Signaling, Defective Intrinsic Apoptosis, Hypoxia, Immunology, Infectious Disease, Lung Cancer, MAPK Signaling, Nuclear Marker, Ovarian Cancer, Signal Transduction, Transcription Factors
Preparation and Storage	Antibody with azide - store at 2-8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



WB (Western Blot)
Western Blot Analysis of human HeLa cell lysate using p53 Mouse Monoclonal Antibody (BP53-12).



WB (Western Blot)
Western Blot of p53 1) A431; 2) MCF7; 3) HEK293 Lysate probed with p53 Monoclonal Antibody (BP53-12).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with p53 Monoclonal Antibody (BP53-12).

ADDITIONAL INFORMATION

References	Bartek J et. al. Journal of Pathology, 1993, 169(1):27-34
------------	---

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	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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/p53-tumor-suppressor-protein-antibody-clone-bp53-12-immunohistochemistry-western-blot-elisa/62553>