

Mouse p53 Monoclonal Antibody | anti-p53 antibody

MOUSE ANTI p53 (aa20-25)

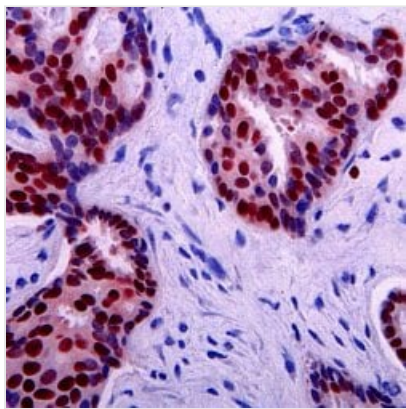
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA49286	Mouse	BovineDoes not react with Mouse, and Rat	Western Blot, Immunohistochemistry, Immunoprecipitation, Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

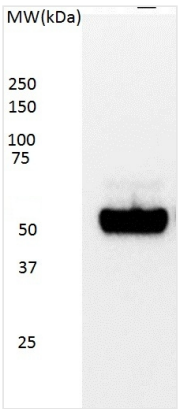
p53; Monoclonal Antibody; MOUSE ANTI p53 (aa20-25); anti-p53 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Bovine Does not react with Mouse, and Rat
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	DO-7
Specificity	p53 (aa20-25)
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	214
Applicable Applications for anti-p53 antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Immunogen	Recombinant Human p53.
Histology Positive Control Tissue	Colon or breast carcinoma Buffer Solution
Target Species	Human
Reactivity Note	N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Fusion Partners	Spleen cells from immunized Balb/c mice fused with cells of the mouse X63Ag8.653 myeloma cell lines.
Preparation and Storage	It is recommended to aliquot and store at -20°C on receipt. When thawed , aliquot the sample as needed. Keep aliquots at 2°C to 8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.



Application Data
Formalin fixed, paraffin processed human breast carcinoma stained with Mouse anti p53



Application Data
Western blot analysis of HEK293 cell lysate probed with Mouse anti p53 (aa20-25) followed by HRP conjugated Goat anti Mouse IgG, visualized using chemiluminescence

ADDITIONAL INFORMATION

Related Product Information for anti-p53 antibody	Mouse anti p53 antibody, clone DO-7 recognizes the human 53kDa p53 tumour suppressor protein, also known as Cellular tumor antigen p53 or Antigen NY-CO-13, encoded by the TP53 gene. p53 is a 393 amino acid protein with an N-terminal transactivation domain, followed by a proline-rich region and a DNA binding domain in the central core region. The C-terminal region contains a tetramerization domain and a terminal regulatory domain (Joerger et al. 2010, Bai et al. 2006). p53 is intimately involved in a number of signaling pathways controlling cell division, cycling and apoptosis (Haupt et al. 2003) and is thus a potent cancer suppressor. In normal cells the level of p53 expression is low but can be induced by DNA damage or other stress signals (Takagi et al. 2005). Activation of p53 leads to growth arrest through its interaction with p21, GADD45 and 14-3-3?, DNA repair and potentially apoptosis through interaction with Bax, Apaf-1, PUMA and NoxA (Thakur et al. 2010). p53 is critically regulated by Mdm2 which can trigger p53 degradation by a ubiquitin dependent system (Moll and Petrenko 2003) Mouse anti p53 antibody, clone DO-7 recognizes an epitope at the N-terminal end of p53 between amino acids 20-25, binding to both wild type and mutant forms. Clone DO-7 is not expected to recognize the multiple isoforms lacking the N-terminal region.
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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	24,401 Da
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; antigen NY-CO-13; mutant tumor protein 53; p53 tumor suppressor; phosphoprotein p53; transformation-related protein 53
UniProt Protein Name	Cellular tumor antigen p53
UniProt Gene Name	TP53
UniProt Synonym Gene Names	P53

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/monoclonal/p53-antibody-clone-do-7-western-blot-immunohistochemistry-immunoprecipitation-flow-cytometry-immunohistochemistry-elisa/49286>