

Mouse TP53 Monoclonal Antibody | anti-TP53 antibody

TP53 (Tumor Protein p53, FLJ92943, LFS1, TRP53, p53) (APC)

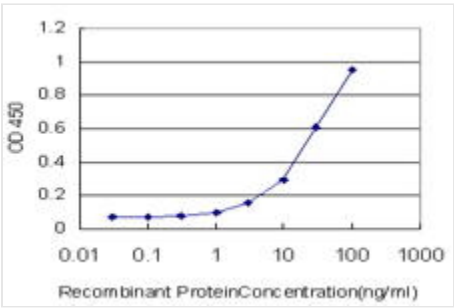
CATALOG # AAA26040	HOST Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

TP53; Monoclonal Antibody; TP53 (Tumor Protein p53; FLJ92943; LFS1; TRP53; p53) (APC); Tumor Protein p53; p53; anti-TP53 antibody

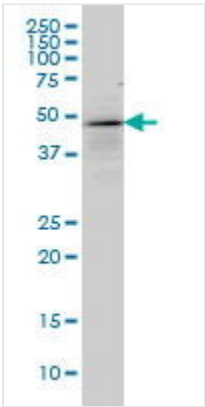
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2C3
Specificity	Recognizes TP53.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Sequence Length	393
Applicable Applications for anti-TP53 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	TP53 (AAH03596, 94aa-201aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SSSVPSQKTYQGSYGFRLLGFLHSGTAKSVTCTYSPALNKMFCQLAKTCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTDEVRRCPHHERCSDSDGLAPF
Conjugate	APC
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge original vial prior to removing the cap.



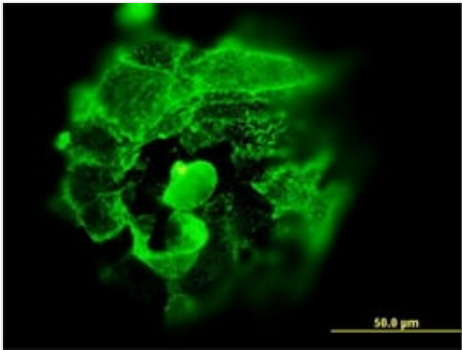
Application Data

Detection limit for recombinant GST tagged TP53 is approximately 1ng/ml as a capture antibody.



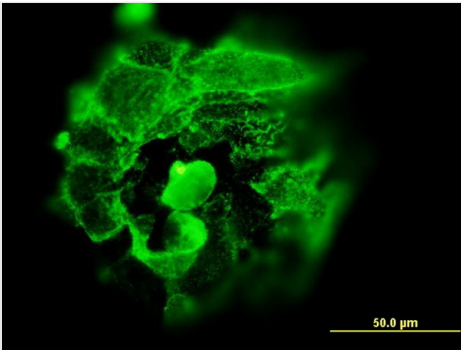
WB (Western Blot)

TP53 monoclonal antibody (M01), clone 2C3 Western Blot analysis of TP53 expression in A-431.



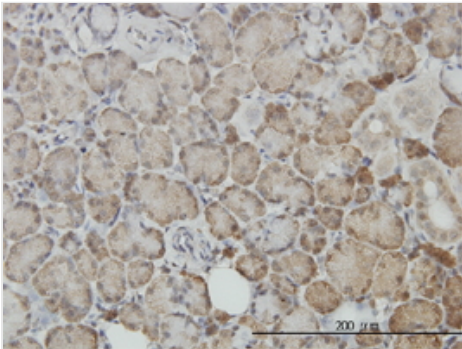
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to TP53 on A-431 cell. [antibody concentration 10 ug/ml]



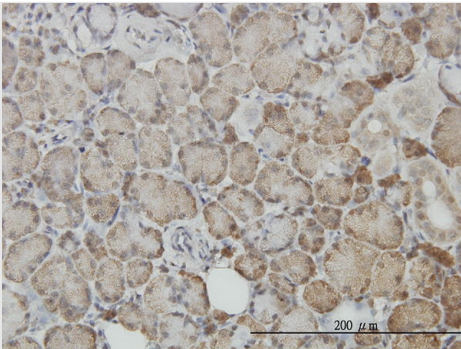
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to TP53 on A-431 cell. [antibody concentration 10 ug/ml]



IHC (Immunohistochemistry)

Immunoperoxidase of monoclonal antibody to TP53 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]



Application Data

Immunoperoxidase of monoclonal antibody to TP53 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]

ADDITIONAL INFORMATION

Related Product Information for anti-TP53 antibody	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. [provided by RefSeq]
Product Categories/Family for anti-TP53 antibody	Antibodies; Cancer Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	13097807
NCBI GeneID	7157
NCBI Official Full Name	Tumor protein p53
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

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/tp53-antibody-clone-2c3-immunofluorescence-immunohistochemistry-immunoprecipitation-western-blot-elisa/26040>