

## p53 Mouse Monoclonal Antibody

Catalog No: #38007

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## Description

Product Name	p53 Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	6C4
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Applications	WB,IHC,IF
Species Reactivity	Hu
Specificity	p53 Mouse monoclonal antibody detects endogenous p53 proteins.
Immunogen Description	Synthetic peptide of human p53
Target Name	p53
Other Names	Tumor suppressor p53; Phosphoprotein p53; Antigen NY-CO-13
Accession No.	Swiss-Prot#:P04637
Uniprot	P04637
GeneID	7157;
SDS-PAGE MW	53kd
Concentration	1.0mg/ml
Formulation	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C

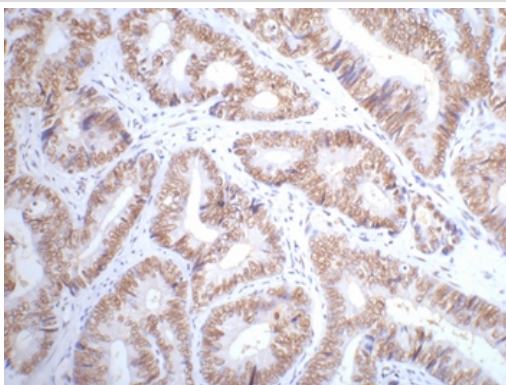
## Application Details

WB dilution: 1:2000

IHC dilution: 1:200

IF dilution:1:100-200

## Images



IHC staining of paraffin-embedded Human colon cancer tissue with p53 mouse mAb(6C4) diluted at 1:200.

IF analysis of Hela with antibody (Left) and DAPI (Right) diluted at 1:100.

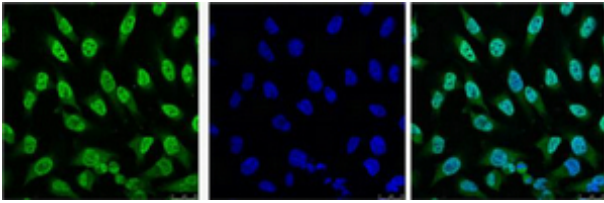
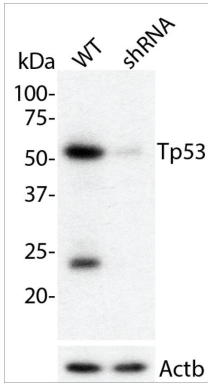
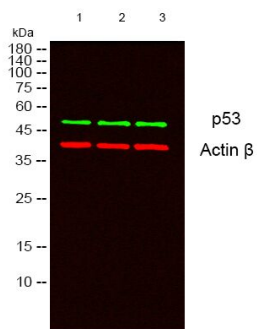


Figure legend: Western blot showing p53 (protein code: Tp53) expression in wild-type (WT) and Tp53 shRNA knockdown rat PC-12 cells. Beta-actin (Actb) served as the loading control. Conclusion: Since this antibody detects endogenous p53 protein in WT but not in shRNA knockdown cell lysate, this antibody is highly specific.



Western blot analysis of lysates from 1) 293T, 2) HEK293, 3) A431 cells using p53 Mouse Monoclonal Antibody #38007 (Green) and Actin  $\beta$  Polyclonal Antibody as the loading control (Red).



## Background

p53 plays a major role in the cellular response to DNA damage and other genomic aberrations. The activation of p53 can lead to either cell cycle arrest and DNA repair, or apoptosis. p53 is phosphorylated at multiple sites in vivo and by several different protein kinases in vitro.

Note: This product is for in vitro research use only