

Product Name: p53 (2D10) Mouse Monoclonal Antibody
Catalog #: AMM03597



Summary

Production Name	p53 (2D10) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC-F,IHC-P,ICC/IF
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	TP53
Alternative Names	TP53; P53; Cellular tumor antigen p53; Antigen NY-CO-13; Phosphoprotein p53; Tumor suppressor p53
Gene ID	7157
SwissProt ID	P04637.

Application

Dilution Ratio	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200
Molecular Weight	Calculated MW: 44 kDa; Observed MW: 53 kDa

Background

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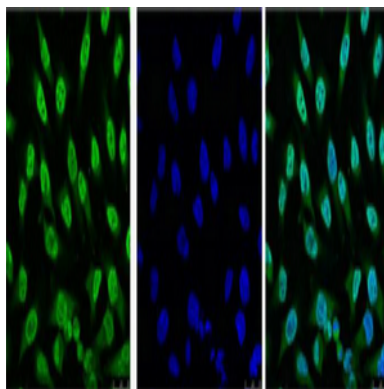


Tumor protein p53, a nuclear protein, plays an essential role in the regulation of cell cycle, specifically in the transition from G0 to G1. It is found in very low levels in normal cells, however, in a variety of transformed cell lines, it is expressed in high amounts, and believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing DNA-binding, oligomerization and transcription activation domains.

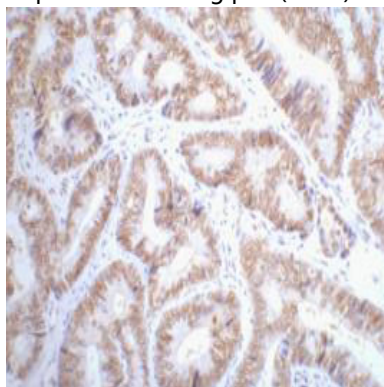
Research Area

Cell Biology

Image Data

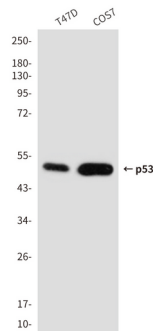


Immunofluorescence analysis of p53 in HeLa using p53 (2D10) antibody (Left) and DAPI (Right).



Immunohistochemistry analysis of paraffin-embedded Human colon cancer tissue using p53 (2D10) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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Western blot analysis of p53 (2D10) in T47D and COS7 lysates using p53 (2D10) antibody

Note

For research use only.