
Product Name: p53 Mouse Monoclonal Antibody**Catalog #: AMM85027**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

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

Antigen Information

Gene Name	p53
Alternative Names	TP53; P53; Cellular tumor antigen p53; Antigen NY-CO-13; Phosphoprotein p53; Tumor suppressor p53
Gene ID	7157.0
SwissProt ID	P04637
Immunogen	Synthetic Peptide of p53

Background

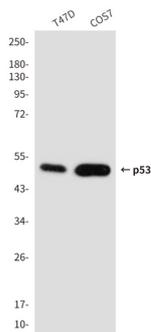
Tumor protein p53, a nuclear protein, plays an essential role in the regulation of cell cycle, specifically in the transition from G0 to G1. It is found in very low levels in normal cells, however, in a variety of transformed cell lines, it is expressed in high amounts,

and believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing DNA-binding, oligomerization and transcription activation domains.

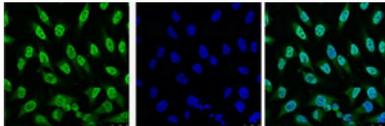
Research Area

Apoptosis, PI3K-Akt signaling pathway, MAPK signaling pathway

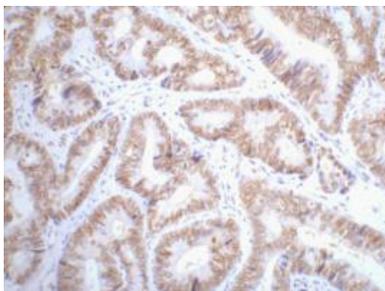
Image Data



Western blot analysis of p53 in T47D and COS7 lysates using p53 antibody



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



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