

#T40060

p53 mAb

- 50 µl
- 100 µl
- 200 µl

DESCRIPTION

Tumor protein p53, also known as p53, cellular tumor antigen p53 (UniProt name), phosphoprotein p53, tumor suppressor p53, antigen NY-CO-13, or transformation-related protein 53 (TRP53), is any isoform of a protein encoded by homologous genes in various organisms, such as TP53 (humans) and Trp53 (mice). This homolog (originally thought to be, and often spoken of as, a single protein) is crucial in multicellular organisms, where it prevents cancer formation, thus, functions as a tumor suppressor. As such, p53 has been described as "the guardian of the genome" because of its role in conserving stability by preventing genome mutation. Hence TP53 is classified as a tumor suppressor gene.

SOURCE

This Abmart monoclonal antibody is produced by immunizing animals with a polypeptide (Abmart SEAL mAb technology) corresponding to p53 protein.

STORAGE

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze/thaw cycle.

ALIASES

Antigen NY-CO-13, Phosphoprotein p53, Tumor suppressor p53, P53

REACTIVITY

Human

ISOTYPE

Rabbit IgG

PREDICTED MOLECULAR WEIGHT

53 kDa

RECOMMEND ANTIBODY DILUTIONS

Western blotting	1:500-1:2000
IHC	1:50-1:200
ICC/IF	1:50-1:200
IP	1:50

***For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at 4°C with gentle shaking overnight.**

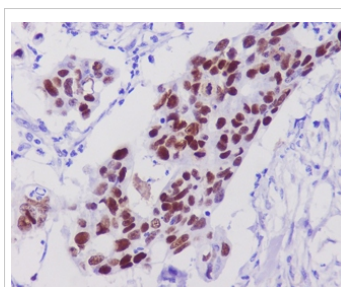
Abmart

Orders ■ 400-6123-828

orders@ab-mart.com

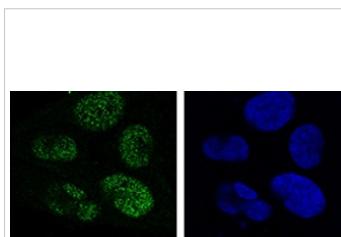
Web ■ www.ab-mart.com.cn

APPLICATION DATA



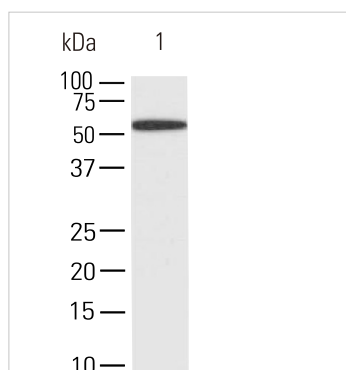
Immunohistochemistry-Anti-p53 mAb (#T40060)

Immunohistochemical analysis of paraffin-embedded human colon cancer, using p53 mAb.



Immunofluorescence-Anti-p53 mAb (#T40060)

Immunofluorescent analysis of HeLa cells, using p53 mAb.



Western blot-Anti-p53 mAb (#T40060)

All lanes : p53 mAb

Lane 1 : T47D cell lysate

Secondary

Goat Anti-Rabbit IgG-HRP, 5% skim milk conjugated at 1/10000 dilution

Predicted band size : 53 kDa

Observed band size : 53 kDa

Blocking/Dilution buffer : 1× PBS.

Applications Key: WB—Western blot, IP—Immunoprecipitation, IHC—Immunohistochemistry, CHIP—Chromatin Immunoprecipitation, IF—Immunofluorescence

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For *in vitro* research use only and not intended for use in humans or animals.