

#T40061

# Phospho-p53 (S392) mAb



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- 50  $\mu$ l
- 100  $\mu$ l
- 200  $\mu$ l

## 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. p53 is phosphorylated at Ser392 *in vivo* and by CAK *in vitro*. Phosphorylation of p53 at Ser392 is increased in human tumors and has been reported to influence the growth suppressor function, DNA binding, and transcriptional activation of p53.

## SOURCE

This Abmart monoclonal antibody is produced by immunizing animals with a polypeptide (Abmart SEAL mAb technology) corresponding to Phospho-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, Mouse, Rat

## ISOTYPE

Rabbit IgG

## PREDICTED MOLECULAR WEIGHT

53 kDa

## RECOMMEND ANTIBODY DILUTIONS

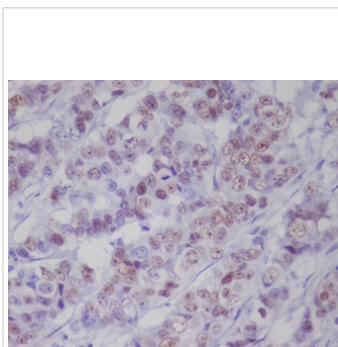
Western blotting	1:500-1:2000
IHC	1:50-1:200
ICC/IF	1:50-1:200
IP	1:50

**\*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.**

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

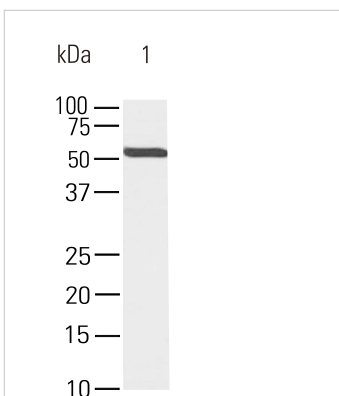
rev.2017-1

## APPLICATION DATA



Immunohistochemistry-Anti-Phospho-p53 (S392) mAb (#T40061)

Immunohistochemical analysis of paraffin-embedded human breast, using Phospho-p53 (S392) mAb.



Western blot-Anti-Phospho-p53 (S392) mAb (#T40061)

**All lanes :** Phospho-p53 (S392) mAb

**Lane 1 :** HEK293 whole 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.

## COMPANION PRODUCTS

- #T40060 p53 mAb
- #T40062 Cytochrome C mAb
- #T40063 VDAC1/Porin mAb
- #T40064 PI3-kinase p85-alpha/gamma pAb
- #T40066 Pan AKT mAb
- #T40067 Phospho-Akt (Ser473) mAb
- #T40068 Phospho-Akt (Thr308) pAb
- #T40069 GSK3 beta mAb
- #T40070 Phospho-GSK3 beta (Ser9) mAb

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