

## Phospho-p53 (S376) Rabbit mAb

Catalog No: #13366

Package Size: #13366-1 50ul #13366-2 100ul

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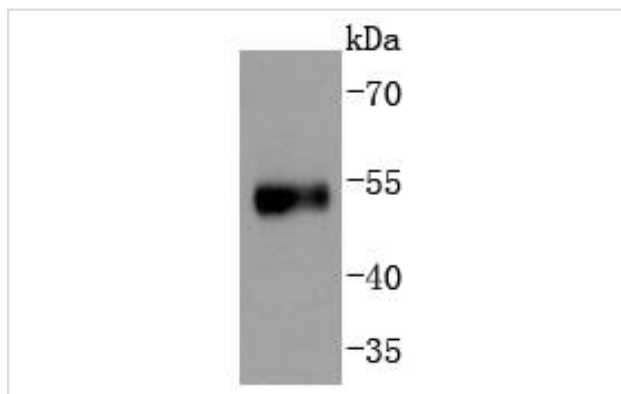
## Description

Product Name	Phospho-p53 (S376) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	ST0440
Purification	ProA affinity purified
Applications	WB
Species Reactivity	Hu
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser376 of human p53.
Other Names	Antigen NY-CO-13 antibody BCC7 antibody Cellular tumor antigen p53 antibody FLJ92943 antibody LFS1 antibody Mutant tumor protein 53 antibody p53 antibody p53 tumor suppressor antibody P53_HUMAN antibody Phosphoprotein p53 antibody Tp53 antibody Transformation related protein 53 antibody TRP53 antibody Tumor protein 53 antibody Tumor protein p53 antibody Tumor suppressor p53 antibody
Accession No.	Swiss-Prot#:P04637
Uniprot	P04637
GeneID	7157;
Calculated MW	53 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

## Application Details

WB: 1:1,000

## Images



Western blot analysis of Phospho-p53(S376) on human skin lysates using anti-Phospho-p53(S376) antibody at 1/1,000 dilution.

## Background

p53, a DNA-binding, oligomerization domain- and transcription activation domain-containing tumor suppressor, upregulates growth arrest and

apoptosis-related genes in response to stress signals, thereby influencing programmed cell death, cell differentiation, and cell cycle control mechanisms. p53 localizes to the nucleus, yet can be chaperoned to the cytoplasm by the negative regulator, MDM2. MDM2 is an E3 ubiquitin ligase that is upregulated in the presence of active p53, where it poly-ubiquitinates p53 for proteasome targeting. p53 fluctuates between latent and active DNA-binding conformations and is differentially activated through posttranslational modifications, including phosphorylation and acetylation. Mutations in the DNA-binding domain (DBD) of p53, amino acids 110-286, can compromise energetically-favorable association with cis elements and are implicated in several human cancers.

## References

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Note: This product is for in vitro research use only