

## Anti-Phospho-P53 (Ser392) Antibody (11543)

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 43 kDa. Actual: 53 kDa.
Clone:	11543
Purification:	Protein A purified

## Applications

Sample:	Lane 1: Urinary bladder (Mouse) Lysate at 40 µg Lane 2: Esophagus (Rat) Lysate at 40 µg Lane 3: A549 (Human) Cell Lysate at 30 µg
Verified Activity:	Primary: Anti-phospho-P53 (Ser392) (TMAB-11084) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 53 kD Observed band size: 53 kD
Application:	WB,IHC-P,IHC-Fr,ICC/IF,IF
Recommended	WB: 1:1000-2000; IHC-P: 1:50-200; IHC-Fr: 1:50-200; ICC/IF: 1:50-200; IF: 1:50-200

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated Synthesised phosphopeptide: human p53 around the phosphorylation site of Ser392
Antigen Species:	Human
Gene ID:	7157
Uniprot ID:	P04637

## Research Background

This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons (PMIDs: 12032546, 20937277). [provided by RefSeq, Feb 2013].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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