

## p53 (FPS392)

Catalogue No.	Pack Size
8010-1-20	20 µg
8010-1-100	100 µg

### Product Description

The tumor suppressor p53 plays a critical role in cellular anticancer defence by inducing cell cycle arrest or apoptosis upon DNA damage or pyrimidine nucleotide starvation. Its upregulation in response to stress signals leads to the transcriptional activation of genes like p21waf1, involved in cell cycle progression, and Bcl-2, involved in apoptosis. Structurally, p53 comprises an N-terminal transactivation, central DNA-binding, oligomerization, and C-terminal regulatory domains. Phosphorylation, particularly at Ser15, is pivotal for p53 activation and stability.

This antibody recognizes human p53 tumour suppressor protein phosphorylated at CKII site (Ser 392).

References: *Budanov, Andrei V. Sub-cellular biochemistry vol. 85 (2014): 337-58.*

### Product Characteristics

Characteristic	Information
Host species	Mouse
Type	Monoclonal
Isotype	IgG1
Clone name	FP3.2 (FPS392)
Immunogen	KLH-conjugated phosphopeptide RHKKLMFKTEGPDS[P]D, corresponding to amino acids 378-393 of human p53.
Species specificity	HumaN
Target Mw (kDa)	53

Supplied at 1mg/mL in 1x PBS with 0.01% sodium azide. Suitable for short term (2 – 3 months) storage at 4°C. Aliquot for long storage at -20°C. Avoid multiple freeze-thawing.

### Product Application

MBH90B has been tested to work for the following applications:

- Western Blotting (WB)
- Immunoprecipitation (IP)
- Immunohistochemistry (IHC)

Not tested for other applications.

Our recommended starting dilutions are: 1 µg/mL for WB. For IP and IHC, the user will need to determine the optimal dilution.

### Technical support

If you are experiencing difficulties with using the reagent, please contact our team with relevant information at [infoab@abasiabiolabs.com](mailto:infoab@abasiabiolabs.com)