Product datasheet

# Anti-P53/TP53 (Phospho-S392) Antibody (Clone#BDO-20)

**Catalog Number: *BM4095***

BOSTER
antibody and ELISA experts
**BOSTER BIOLOGICAL TECHNOLOGY**
Building C21, 3rd and 4th floors, Optics Valley Biomedical Accelerator, Wuhan East Lake High-tech Development Zone
***Web:*** www.boster.com ***Phone:*** 027-67845390 ***Email:*** boster@boster.com

## Basic Information

| | |
|---|---|
| **Product Name** | Anti-P53/TP53 (Phospho-S392) Antibody (Clone#BDO-20) |
| **Gene Name** | TP53 |
| **Source** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype** | IgG |
| **Species Reactivity** | human, mouse, rat |
| **Tested Application** | WB, IHC, ICC/IF, IP |
| **Contents** | 500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol. |
| **Immunogen** | A synthesized peptide derived from human Phospho-p53 (S392) |
| **Concentration** | 500 ug/ml |
| **Purification** | Affinity-chromatography |
| **Observed MW** | 53 kDa |
| **Dilution Ratios** | Western blot (WB): 1:500-2000<br>Immunohistochemistry (IHC): 1:50-200<br>Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200<br>ImmunoPrecipitation (IP): 1:20 |

## Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

## Background Information

The p53 tumor antigen is found in increased amounts in a wide variety of transformed cells. The protein is also detectable in many actively proliferating, nontransformed cells, but it is undetectable or present at low levels in resting cells. This protein induces cell cycle arrest or apoptosis in response to sublethal or severe DNA damage, respectively, by differential transcription of target genes and through transcription-independent apoptotic functions. The p53 protein contains 393 amino acids. Human p53 tumour antigen is Locatedto band 17p13. p53 mutations are common in pancreatic cancer and are absent in chronic pancreatitis.

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## Selected Validation Data

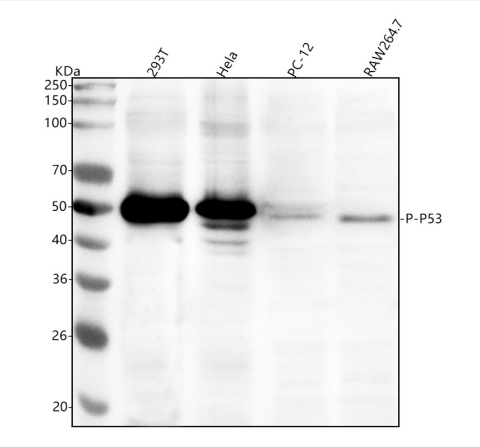
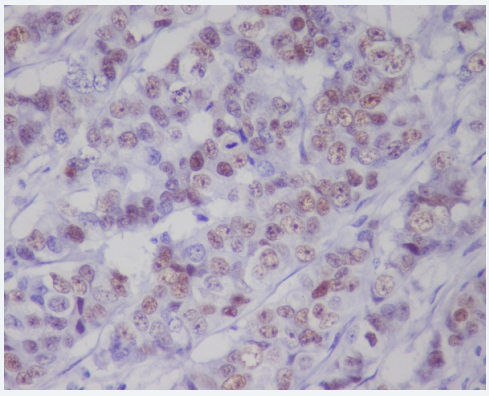
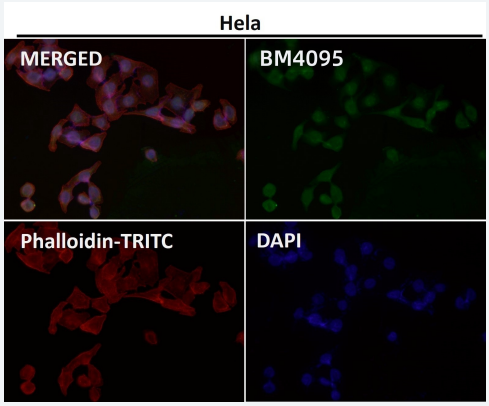



Figure 1. Western blot analysis of anti-P53/TP53 antibody (BM4095). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human 293T whole cell lysates,
Lane 2: human Hela whole cell lysates,
Lane 3: rat PC-12 whole cell lysates,
Lane 4: mouse RAW264.7 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-P53/TP53 antigen affinity purified monoclonal antibody (BM4095) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for P53/TP53 at approximately 53 kDa. The expected band size for P53/TP53 is at 44 kDa.



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




Immunofluorescent analysis using the Antibody.

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