

# Product Datasheet

## p53 Antibody (6B5-R) NBP3-32698

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-32698**

p53 Antibody (6B5-R)

| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 100 ul   |
| Concentration               | 1 mg/ml  |
| Storage                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality                   | Monoclonal   |
| Clone                       | 6B5-R  |
| Preservative                | 0.05% Sodium Azide   |
| Isotype                     | IgG1   |
| Purity                      | Protein A purified   |
| Buffer                      | PBS (pH7.4), 0.1% BSA and 40% Glycerol   |
| Target Molecular Weight     | 53 kDa   |
| Product Description         |  |
| Host                        | Mouse  |
| Gene ID                     | 7157   |
| Gene Symbol                 | TP53   |
| Species                     | Human, Mouse, Monkey   |
| Immunogen                   | Recombinant protein within C-terminal human p53. (Uniprot: P04637)                     |
| Product Application Details |  |
| Applications                | Western Blot, Immunocytochemistry/ Immunofluorescence                                  |
| Recommended Dilutions       | Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:100                     |



## Images

Western Blot: p53 Antibody (6B5-R) [NBP3-32698] - Western blot analysis of p53 on different lysates with Mouse anti-p53 antibody (NBP3-32698) at 1/1,000 dilution.

Lane 1: 293T cell lysate  
 Lane 2: MCF7 cell lysate  
 Lane 3: NIH/3T3 cell lysate  
 Lane 4: NIH/3T3 treated with 0.5uM doxorubicin for 24 hours lysate  
 Lane 5: Neuro-2a cell lysate  
 Lane 6: COS-1 cell lysate

Lysates/proteins at 20 ug/Lane.

Predicted band size: 53 kDa  
 Observed band size: 53 kDa

Exposure time: Lane 1-2: 1 minute 40 seconds; Lane 3-6: 3 minutes;

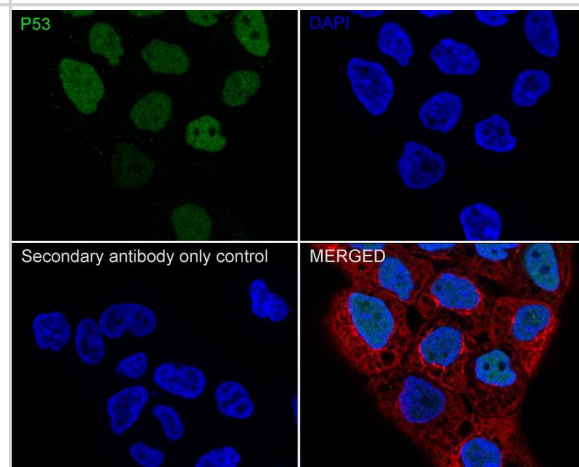
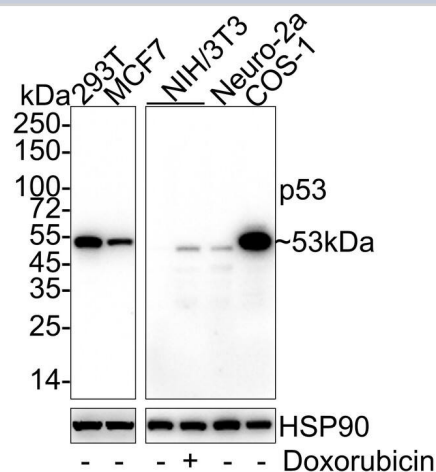
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32698) at 1/1,000 dilution was used in 5% NFDM/TBST at 4 overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

Immunocytochemistry/ Immunofluorescence: p53 Antibody (6B5-R) [NBP3-32698] - Immunocytochemistry analysis of A431 cells labeling p53 with Mouse anti-p53 antibody (NBP3-32698) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Mouse anti-p53 antibody (NBP3-32698) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

beta Tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.





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### **Products Related to NBP3-32698**

|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1)                        |
| NBP2-34495PEP    | p53 Recombinant Protein Antigen                         |

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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