

# Product Datasheet

## p53 Antibody - BSA Free NBP2-19667

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-19667**

p53 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	0.1M Tris (pH 7), 0.1M Glycine, 10% Glycerol
<b>Target Molecular Weight</b>	44 kDa

**Product Description**

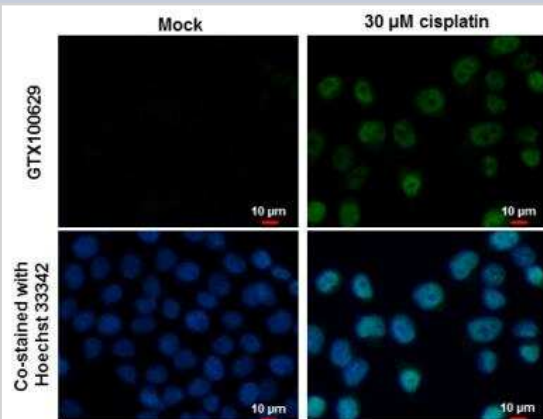
<b>Host</b>	Rabbit
<b>Gene ID</b>	7157
<b>Gene Symbol</b>	TP53
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human p53. The exact sequence is proprietary.

**Product Application Details**

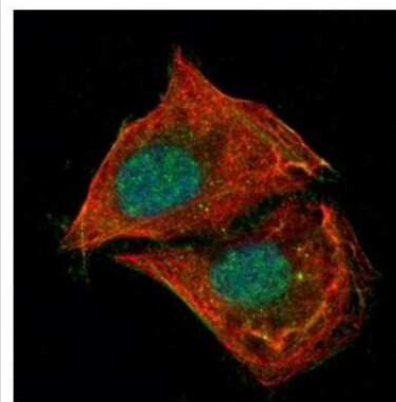
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

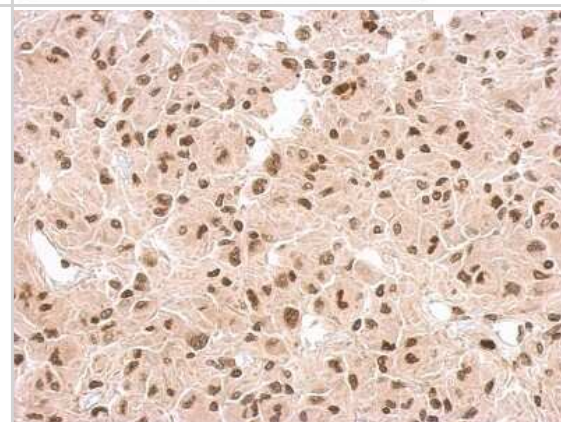
Western Blot: p53 Antibody [NBP2-19667] - p53 antibody [N1], N-term detects p53 protein at nucleus by immunofluorescent analysis.  
 Samples: HCT 116 cells mock (left) and treated with 30 uM Cisplatin for 24 hrs (right) were fixed in 4% paraformaldehyde at RT for 15 min.  
 Green: p53 protein stained by p53 antibody [N1], N-term.  
 Blue: Hoechst 33342 staining.  
 Scale bar = 10 um.



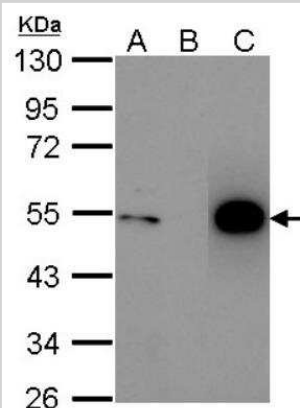
Immunocytochemistry/Immunofluorescence: p53 Antibody [NBP2-19667]  
 - Confocal immunofluorescence analysis of paraformaldehyde-fixed U2OS, using p53 antibody (Green) at 1:500 dilution. Alpha-tubulin filaments are labeled with Alpha-tubulin antibody (Red) at 1:2000.



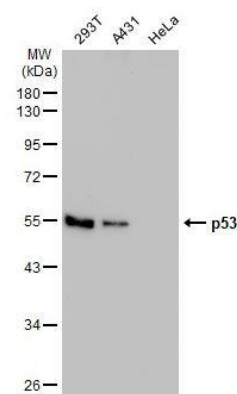
U373 xenograft, using p53 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



Immunoprecipitation: p53 Antibody [NBP2-19667] - Immunoprecipitation of p53 protein. HCT116 lysates with 30uM cisplatin treatment for 24 hours were subjected to immunoprecipitation using (B) normal rabbit IgG or (C) 2.5 ug of anti-p53 antibody. (A) Input, 20ug of HCT116 lysates. The precipitated protein was detected by NBP2-19667. anti-Rabbit IgG Kit was used in the Western blot.



Whole cell extract (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with p53 antibody [N1], N-term diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.





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### **Products Related to NBP2-19667**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP3-21301PEP	p53 Recombinant Protein Antigen

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### **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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