

Product Datasheet

p53 Antibody (PSH03-95) NBP3-32697

Unit Size: 100 ul

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

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NBP3-32697

p53 Antibody (PSH03-95)

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	PSH03-95
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	53 kDa

Product Description	
Host	Rabbit
Gene ID	7157
Gene Symbol	TP53
Species	Mouse
Immunogen	Recombinant protein within mouse p53 protein. (Uniprot: P02340)

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:200, Immunoprecipitation 1-2ug/sample

Images

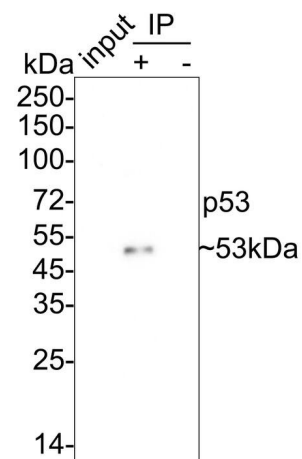
Immunoprecipitation: p53 Antibody (PSH03-95) [NBP3-32697] - p53 was immunoprecipitated in 0.2mg NIH/3T3 treated with 0.5µM doxorubicin cell lysate with NBP3-32697 at 2 ug/25 ul agarose. Western blot was performed from the immunoprecipitate using NBP3-32697 at 1/1,000 dilution. Anti-Rabbit IgG for IP Nano-secondary antibody at 1/5,000 dilution was used for 1 hour at room temperature.

Lane 1: NIH/3T3 treated with 0.5µM doxorubicin cell lysate (input)

Lane 2: NBP3-32697 IP in NIH/3T3 treated with 0.5µM doxorubicin cell lysate

Lane 3: Rabbit IgG instead of NBP3-32697 in NIH/3T3 treated with 0.5µM doxorubicin cell lysate

Blocking/Dilution buffer: 5% NFDM/TBST
Exposure time: 3 minutes



Western Blot: p53 Antibody (PSH03-95) [NBP3-32697] - Western blot analysis of p53 on different lysates with Rabbit anti-p53 antibody (NBP3-32697) at 1/1,000 dilution.

Lane 1: RAW264.7 cell lysate

Lane 2: Neuro-2a cell lysate

Lane 3: NIH/3T3 cell lysate

Lane 4: NIH/3T3 treated with 0.5uM doxorubicin cell for 24 hours cell lysate

Lysates/proteins at 20 ug/Lane.

Predicted band size: 53 kDa

Observed band size: 53 kDa

Exposure time: 3 minutes 20 seconds;

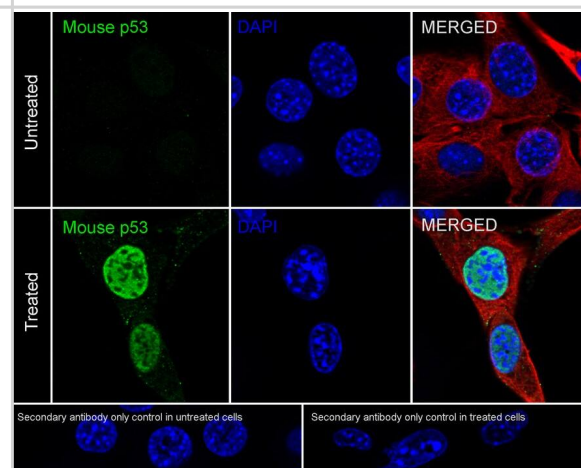
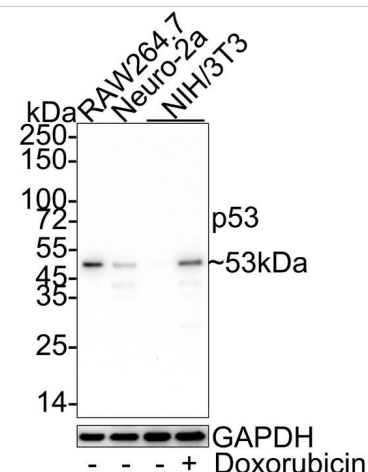
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32697) at 1/1,000 dilution was used in 5% NFDM/TBST at 4 overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

Immunocytochemistry/ Immunofluorescence: p53 Antibody (PSH03-95) [NBP3-32697] - Immunocytochemistry analysis of NIH/3T3 cells treated with 0.5uM doxorubicin for 20 hours labeling p53 with Rabbit anti-p53 antibody (NBP3-32697) at 1/200 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 Rabbit anti-p53 antibody (NBP3-32697) at 1/200 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit 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-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.





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Products Related to NBP3-32697

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
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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