

Product Datasheet

p53 Antibody (CL2199) - Azide and BSA Free NBP3-43954

Unit Size: 100 ug

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

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NBP3-43954

p53 Antibody (CL2199) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL2199
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG1
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

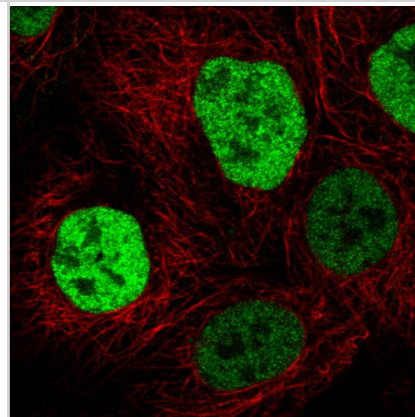
Product Description	
Description	Novus Biologicals Mouse p53 Antibody (CL2199) - Azide and BSA Free (NBP2-34495) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7157
Gene Symbol	TP53
Species	Human
Immunogen	This antibody was generated using a recombinant protein sequence of P04637, with the exact immunogen sequence remaining proprietary.

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1 ug/ml, Simple Western 1:20, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/ Immunofluorescence/IF Fixation Permeabilization: Use PFA/Triton X-100. See Simple Western Antibody Database for Simple Western validation: Tested in Hek293T, separated by Size, antibody dilution of 1:20, apparent MW was 63 kDa

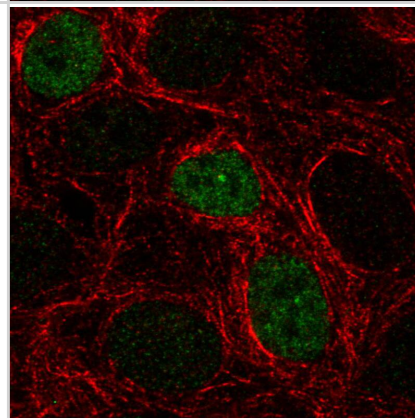


Images

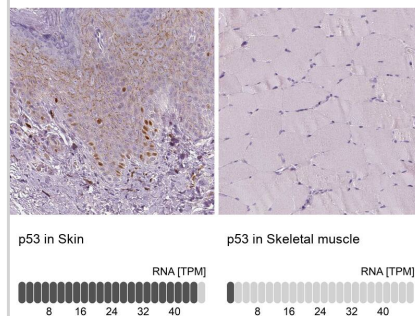
Staining in A431 cell line with Anti-p53 monoclonal antibody) staining in green. Microtubule- and nuclear probes are visualized in red and blue respectively (where available).



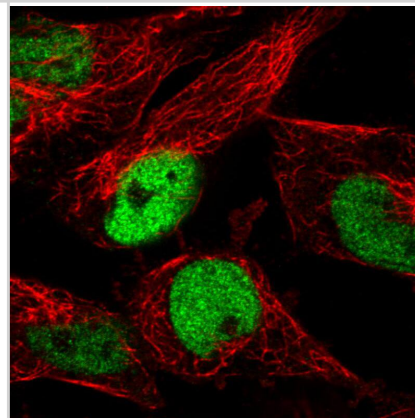
Staining in MCF7 cell line with Anti-p53 monoclonal antibody) staining in green. Microtubule- and nuclear probes are visualized in red and blue respectively (where available).



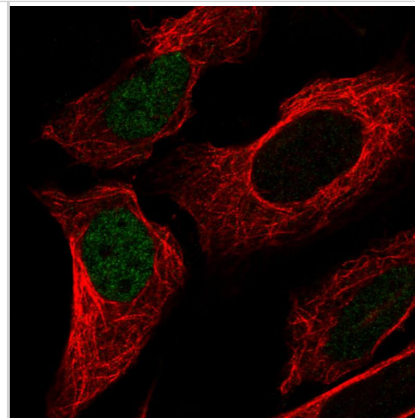
Analysis in human skin and skeletal muscle tissues using NBP3-43954 antibody. Corresponding p53 RNA-seq data are presented for the same tissues.



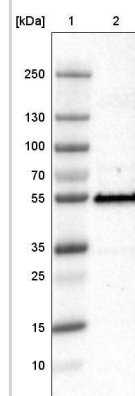
Staining in U251 cell line with Anti-p53 monoclonal antibody) staining in green. Microtubule- and nuclear probes are visualized in red and blue respectively (where available).



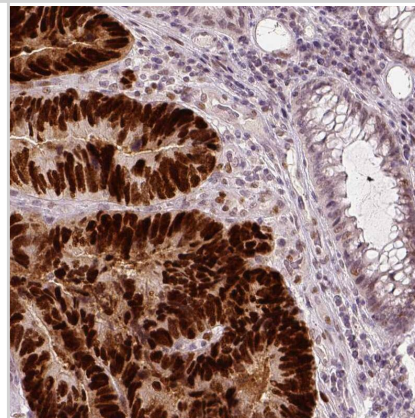
Staining in U2OS cell line with Anti-p53 monoclonal antibody) staining in green. Microtubule- and nuclear probes are visualized in red and blue respectively (where available).



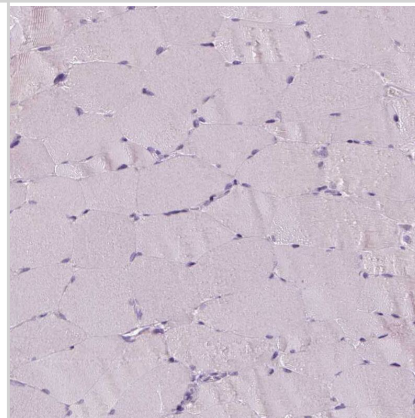
Lane 1: Marker [kDa]
Lane 2: Human cell line U-251



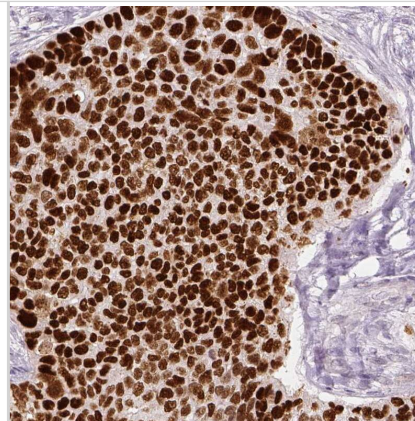
Staining of human colorectal cancer shows strong nuclear positivity in tumor cells, but not in normal mucosa.



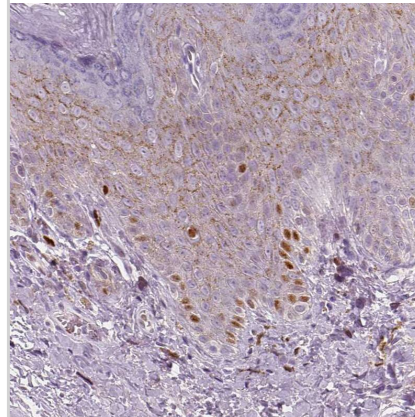
Staining of human skeletal muscle shows no positivity in striated muscle fibers as expected.



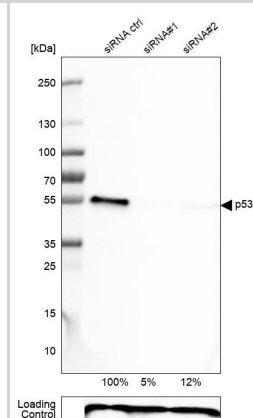
Staining of human lung cancer (squamous cell carcinoma) shows strong nuclear positivity in tumor cells.



Staining of human skin shows moderate to strong nuclear positivity in a subset of epidermal cells.



Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-p53 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.





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Products Related to NBP3-43954

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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