

Product Datasheet

p53 Antibody (CL2199) - BSA Free NBP2-34495

Unit Size: 0.1 ml

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

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NBP2-34495

p53 Antibody (CL2199) - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL2199
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

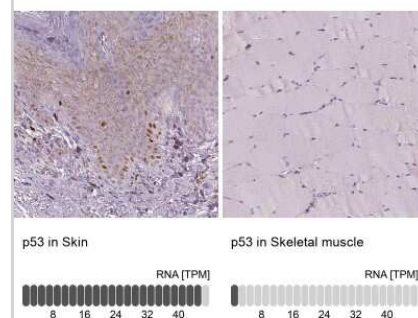
Host	Mouse
Gene ID	7157
Gene Symbol	TP53
Species	Human
Immunogen	This antibody was developed using a recombinant protein derived from P04637, with the exact immunogen sequence remaining proprietary.

Product Application Details

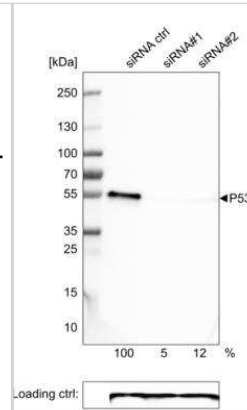
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 1 ug/ml, Simple Western 1:50, Immunohistochemistry 1:200 - 1:5000, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in Hek293T, separated by Size, antibody dilution of 1:50, apparent MW was 63 kDa.

Images

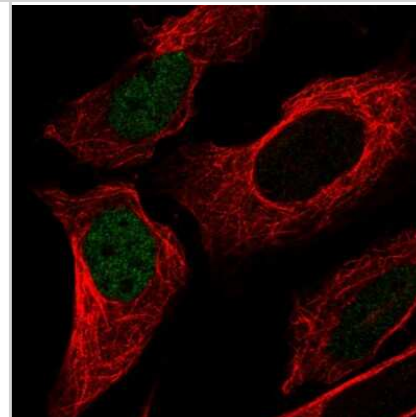
Immunohistochemistry-Paraffin: p53 Antibody (CL2199) [NBP2-34495] - Staining in human skin and skeletal muscle tissues. Corresponding p53 RNA-seq data are presented for the same tissues.



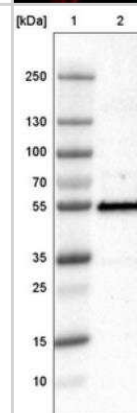
Western Blot: p53 Antibody (CL2199) [NBP2-34495] - Analysis of extracts from U-251 cells, transfected with: control siRNA, target specific siRNA probe #1, target specific siRNA probe #2, using Anti-P53 monoclonal antibody. Downregulation of antibody signal confirms target specificity. Remaining % intensity, relative control lane, is indicated. Anti-PPIB monoclonal antibody was used as loading control.



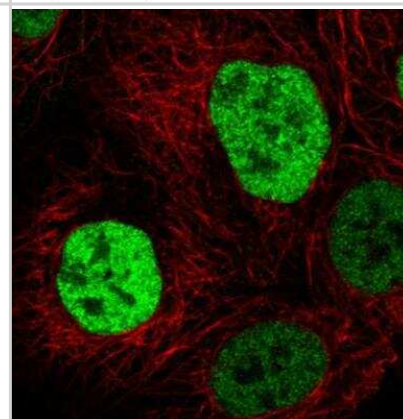
Immunocytochemistry/Immunofluorescence: p53 Antibody (CL2199) [NBP2-34495] - Staining in U2OS cell line with Anti-p53 monoclonal antibody, showing cell cycle dependent nuclear (without nucleoli) staining in green. Microtubule- and nuclear probes are visualized in red and blue respectively (where available). Antibody staining is shown in green.



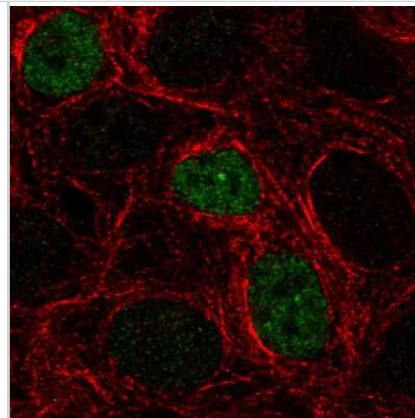
Western Blot: p53 Antibody (CL2199) [NBP2-34495] - Lane 1: Marker [kDa] Lane 2: Human cell line U-251



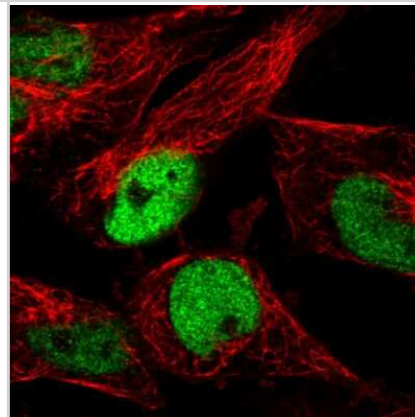
Immunocytochemistry/Immunofluorescence: p53 Antibody (CL2199) [NBP2-34495] - Staining of human cell line A431 showing cell cycle dependent nuclear (without nucleoli) staining in green. Microtubule-staining and nuclear probes are visualized in red and blue respectively (where available). Antibody staining is shown in green



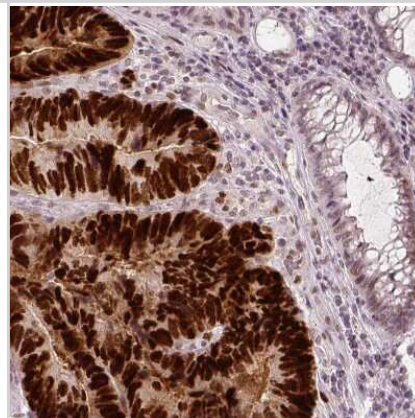
Immunocytochemistry/Immunofluorescence: p53 Antibody (CL2199) [NBP2-34495] - Staining in MCF7 cell line with Anti-p53 monoclonal antibody, showing cell cycle dependent nuclear (without nucleoli) staining in green. Microtubule- and nuclear probes are visualized in red and blue respectively (where available). Antibody staining is shown in green.



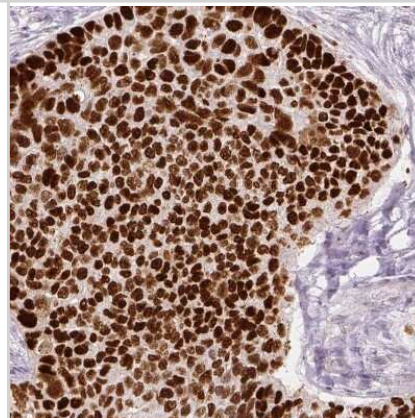
Immunocytochemistry/Immunofluorescence: p53 Antibody (CL2199) [NBP2-34495] - Staining in U251 cell line with Anti-p53 monoclonal antibody, showing cell cycle dependent nuclear (without nucleoli) staining in green. Microtubule- and nuclear probes are visualized in red and blue respectively (where available). Antibody staining is shown in green.



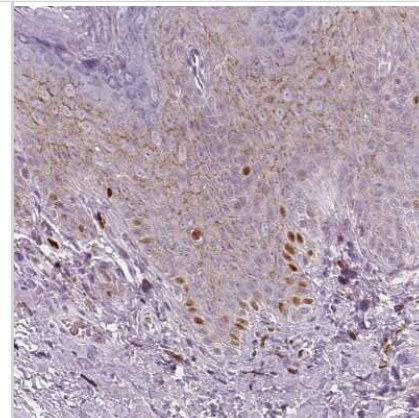
Immunohistochemistry-Paraffin: p53 Antibody (CL2199) [NBP2-34495] - Staining of human colorectal cancer shows strong nuclear positivity in tumor cells, but not in normal mucosa.



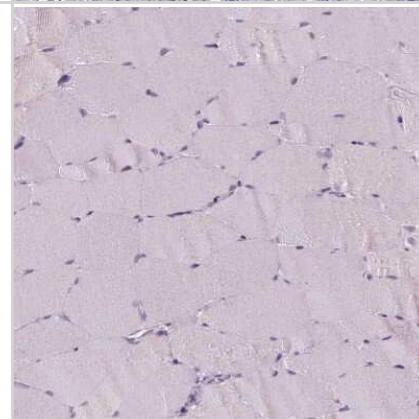
Immunohistochemistry-Paraffin: p53 Antibody (CL2199) [NBP2-34495] - Staining of human lung cancer (squamous cell carcinoma) shows strong nuclear positivity in tumor cells.



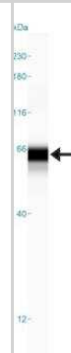
Immunohistochemistry-Paraffin: p53 Antibody (CL2199) [NBP2-34495] - Staining of human skin shows moderate to strong nuclear positivity in a subset of epidermal cells.



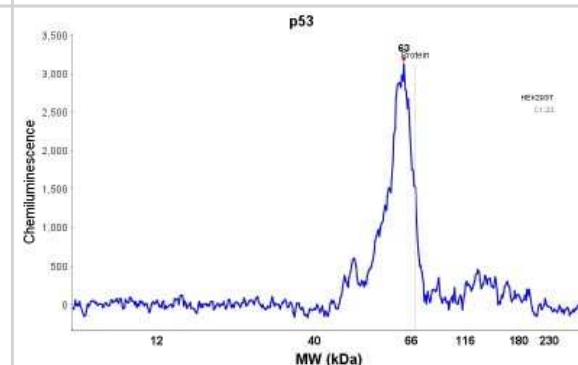
Immunohistochemistry-Paraffin: p53 Antibody (CL2199) [NBP2-34495] - Staining of human skeletal muscle shows no positivity in striated muscle fibers as expected.



Simple Western: p53 Antibody (CL2199) [NBP2-34495] - Simple Western lane view shows a specific band for P53 in 0.2 mg/ml of Hek293T lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: p53 Antibody (CL2199) [NBP2-34495] - Electropherogram image(s) of corresponding Simple Western lane view. p53 antibody was used at 1:50 dilution on Hek293T lysate(s).



Publications

Kar S, Katti D, Katti K Bone Interface Modulates Drug Resistance in Breast Cancer Bone Metastasis Colloids and Surfaces B: Biointerfaces 2020-01-01 [PMID: 32634713] (ICC/IF, PCR, Human)



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Products Related to NBP2-34495

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)
NBP2-56234PEP	p53 Recombinant Protein Antigen

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