

Product Datasheet

p53 Antibody (OTI5E2) NBP2-00723

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Reviews: 1 Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-00723

Updated 4/13/2025 v.20.1

**Earn rewards for product
reviews and publications.**

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-00723



NBP2-00723

p53 Antibody (OTI5E2)

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI5E2
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	43.5 kDa

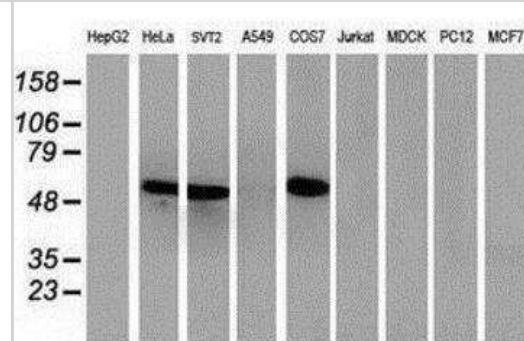
Product Description	
Host	Mouse
Gene ID	7157
Gene Symbol	TP53
Species	Human, Mouse, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length human recombinant protein of human TP53 (NP_000537) produced in HEK293T cell.

Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-2000, Simple Western 1:10, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150
Application Notes	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 Hek293 lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:10, apparent MW was 58 kDa.

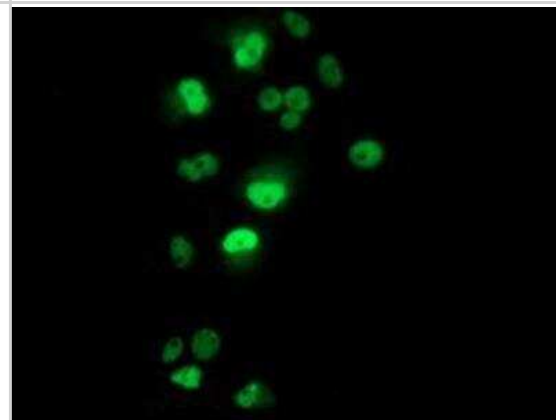


Images

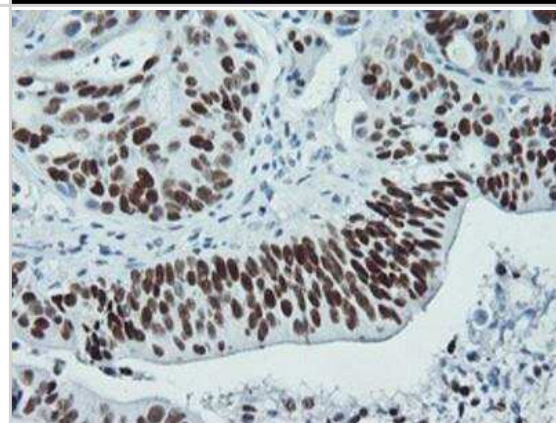
Western Blot: p53 Antibody (5E2) [NBP2-00723] - Analysis of extracts (35ug) from 9 different cell lines by using anti-p53 monoclonal antibody.



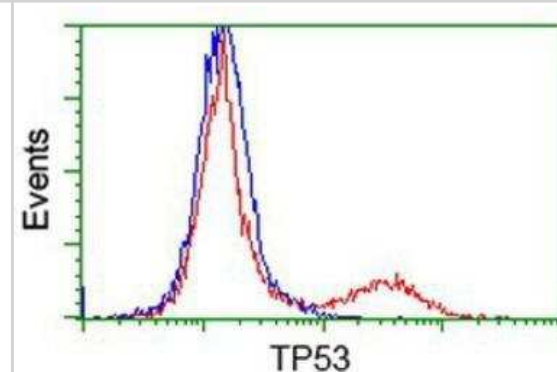
Immunocytochemistry/Immunofluorescence: p53 Antibody (5E2) [NBP2-00723] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY p53.



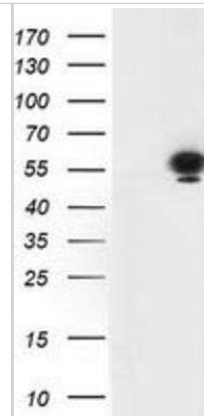
Immunohistochemistry-Paraffin: p53 Antibody (5E2) [NBP2-00723] - Staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-p53 mouse monoclonal antibody.



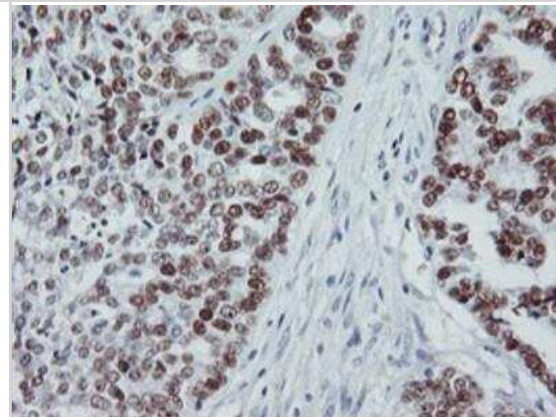
Flow Cytometry: p53 Antibody (5E2) [NBP2-00723] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-p53 antibody, and then analyzed by flow cytometry.



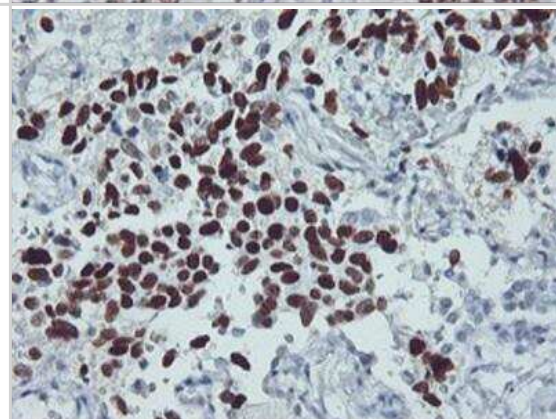
Western Blot: p53 Antibody (5E2) [NBP2-00723] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY p53 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-p53.



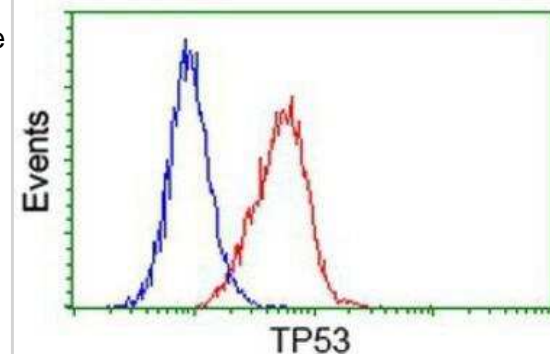
Immunohistochemistry-Paraffin: p53 Antibody (5E2) [NBP2-00723] - Staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-p53 mouse monoclonal antibody.



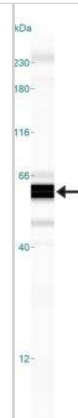
Immunohistochemistry-Paraffin: p53 Antibody (5E2) [NBP2-00723] - Staining of paraffin-embedded Carcinoma of Human lung tissue using anti-p53 mouse monoclonal antibody.



Flow Cytometry: p53 Antibody (5E2) [NBP2-00723] - Analysis of Hela cells, using anti-p53 antibody, (Red), compared to a nonspecific negative control antibody (Blue).



Simple Western: p53 Antibody (5E2) [NBP2-00723] - Simple Western lane view shows a specific band for p53 in 0.5 mg/ml of Hek293 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

Kakiuchi-Kiyota, S, Obert, L A Et al. Expression of Hematopoietic Stem and Endothelial Cell Markers in Canine Hemangiosarcoma. *Toxicol Pathol* 2020-04-01 [PMID: 31918642] (WB, Rabbit)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-00723

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

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-00723

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

