

Product Datasheet

p53 Antibody (TP53/1799R) - Azide and BSA Free NBP2-59632

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP2-59632

p53 Antibody (TP53/1799R) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	TP53/1799R
Preservative	No Preservative
Isotype	IgG
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	53 kDa

Product Description	
Description	<p>Human Chromosome Location: 17p13.1</p> <p>1.0 mg/ml of recombinant monoclonal antibody purified by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-59631).</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.</p>
Host	Rabbit
Gene ID	7157
Gene Symbol	TP53
Species	Human
Specificity/Sensitivity	<p>The specificity of this monoclonal antibody to its intended target was validated by HuProt™ Array, containing more than 19,000, full-length human proteins. Recognizes a 53kDa protein, which is identified as p53 suppressor gene product. It reacts with the mutant as well as the wild form of p53 protein. p53 is a tumor suppressor gene expressed in a wide variety of tissue types and is involved in regulating cell growth, replication, and apoptosis. It binds to MDM2, SV40 T antigen and human papilloma virus E6 protein. Positive nuclear staining with p53 antibody has been reported to be a negative prognostic factor in breast carcinoma, lung carcinoma, colorectal, and urothelial carcinoma. Anti-p53 positivity has also been used to differentiate uterine serous carcinoma from endometrioid carcinoma as well as to detect intratubular germ cell neoplasia. Mutations involving p53 are found in a wide variety of malignant tumors, including breast, ovarian, bladder, colon, lung, and melanoma.</p>
Immunogen	Recombinant full-length human p53 protein (Uniprot: P04637)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Protein Array, CyTOF-ready
Recommended Dilutions	Western Blot 0.5-1 ug/ml, Flow Cytometry 0.5-1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5-1 ug/ml, Immunohistochemistry-Paraffin 0.25-05 ug/ml, Protein Array, CyTOF-ready

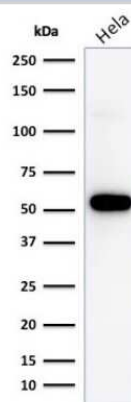


Application Notes

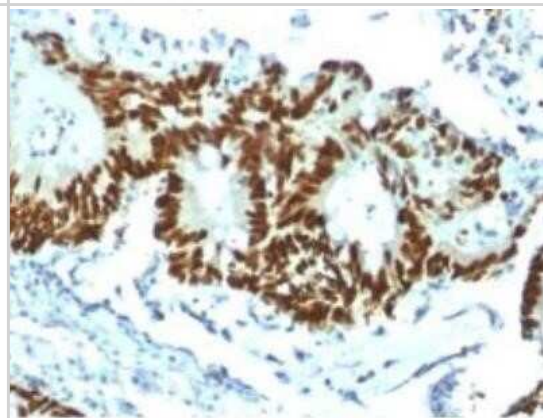
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

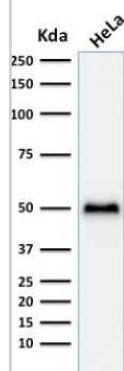
Western Blot: p53 Antibody (TP53/1799R) - Azide and BSA Free [NBP2-59632] - Western blot analysis of HeLa cell lysate using p53 antibody (TP53/1799R).



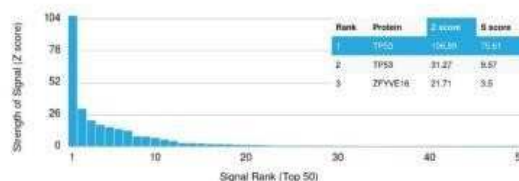
Immunohistochemistry-Paraffin: p53 Antibody (TP53/1799R) - Azide and BSA Free [NBP2-59632] - Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with p53 Recombinant Rabbit Monoclonal Antibody (TP53/1799R)



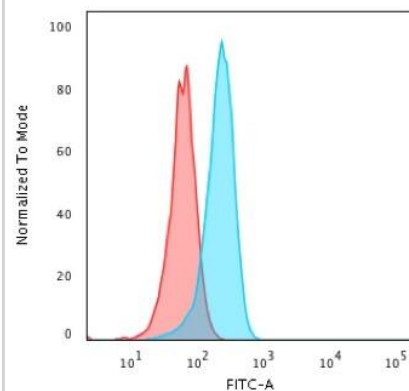
Western Blot: p53 Antibody (TP53/1799R) - Azide and BSA Free [NBP2-59632] - Western Blot Analysis of HeLa cell lysate using p53 Antibody (TP53/1799R).



Protein Array: p53 Antibody (TP53/1799R) - Azide and BSA Free [NBP2-59632] - Analysis of Protein Array containing more than 19,000 full-length human proteins. Z- and S- Score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary) produces when binding to a particular protein on the HuProt array. Z-scores are described in units of standard deviations above the mean value of all signals generated on that array. If targets on HuProt are arranged in descending order of the Z-score, the S-score is the difference between the Z-score. S-score therefore represents the relative target specificity of an Ab to its intended target. An Ab is considered to be specific to its intended target, if the Ab has an S-score of at least 2.5.



Flow Cytometric Analysis of HeLa cells using p53 Antibody (TP53/1799R) - Azide and BSA Free followed by goat anti-rabbit IgG-CF488 (blue); isotype control (red).





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Products Related to NBP2-59632

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

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

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