

Product Datasheet

p53 Antibody (TP53/1799R)

NBP2-59631-100ug

Unit Size: 100 ug

Store at 4C.

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NBP2-59631-100ug

p53 Antibody (TP53/1799R)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	TP53/1799R
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	53 kDa

Product Description	
Description	<p>Human Chromosome Location: 17p13.1</p> <p>200ug/ml of recombinant MAb purified by Protein A or G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. (NBP2-59632)</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, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array 1:100-1:2000

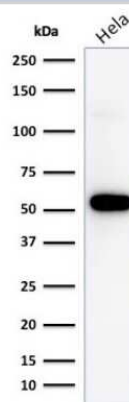


Application Notes

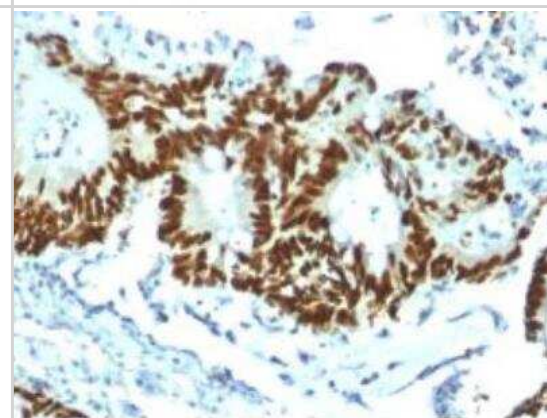
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

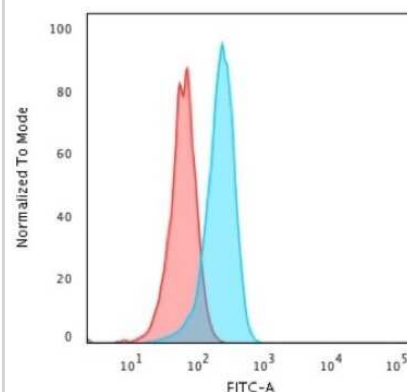
Western Blot: p53 Antibody (TP53/1799R) [NBP2-59631] - Western blot analysis of HeLa cell lysate using p53 antibody (TP53/1799R).



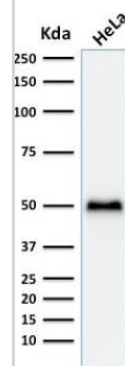
Immunohistochemistry-Paraffin: p53 Antibody (TP53/1799R) [NBP2-59631] - Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with p53 Recombinant Rabbit Monoclonal Antibody (TP53/1799R)



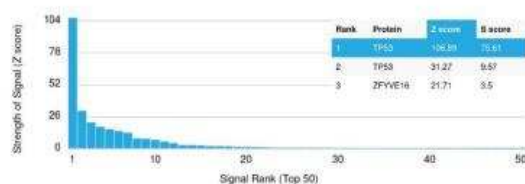
Flow Cytometry: p53 Antibody (TP53/1799R) [NBP2-59631] - Flow Cytometric Analysis of HeLa cells using p53 Recombinant Rabbit Monoclonal Antibody (TP53/1799R) followed by goat anti-rabbit IgG-CF488 (blue); isotype control (red).



Western Blot: p53 Antibody (TP53/1799R) [NBP2-59631] - Western Blot Analysis of HeLa cell lysate using p53 Antibody (TP53/1799R).



Protein Array: p53 Antibody (TP53/1799R) [NBP2-59631] - 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 specific to its intended target, if the Ab has an S-score of at least 2.5. For example, if Ab binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Ab to protein X is equal to 29





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Products Related to NBP2-59631-100ug

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.

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