

# Product Datasheet

## p53 Antibody (Pab1801) NB200-104

Unit Size: 100 ul

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

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Updated 1/4/2025 v.20.1

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**NB200-104**

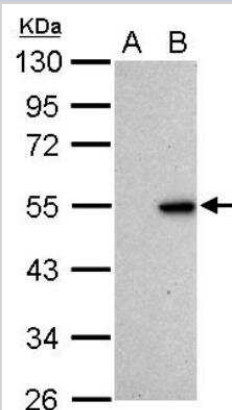
p53 Antibody (Pab1801)

Product Information	
Unit Size	100 ul
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	Pab1801
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	44 kDa
Product Description	
Host	Mouse
Gene ID	7157
Gene Symbol	TP53
Species	Human
Specificity/Sensitivity	Recognizes both wild-type and mutant forms of human p53 protein.
Immunogen	Gel-purified fusion protein containing the coding region of human p53 expressed in E. coli.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, Radioimmunoassay, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry 1:100-1:100, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 10 ug/mg, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen 1:100 - 1:1000, Radioimmunoassay, Chromatin Immunoprecipitation (ChIP)
Application Notes	p53 Antibody (Pab1801) antibody validated for IHC-P from a verified customer review.

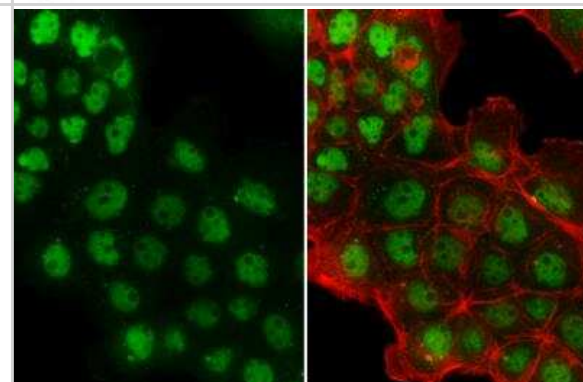


## Images

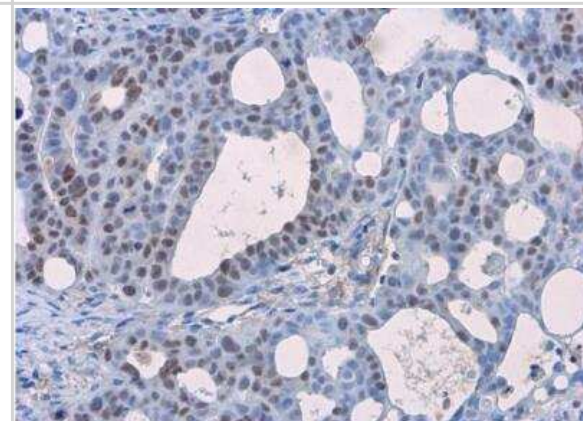
Western Blot: p53 Antibody (Pab1801) [NB200-104] - Sample (30 ug of whole cell lysate) A: HCT116 cells with mock treatment for 24hr B: HCT116 cells with 30uM cisplatin treatment for 24hr 10% SDS PAGE.



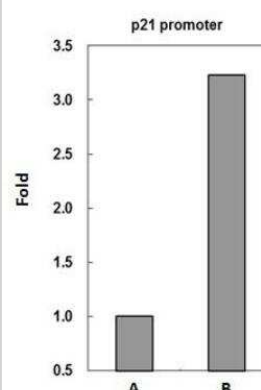
Immunocytochemistry/Immunofluorescence: p53 Antibody (Pab1801) [NB200-104] - A431 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: p53 stained by p53 antibody [Pab1801] diluted at 1:500. Red: phalloidin, a cytoskeleton marker, diluted at 1:100.



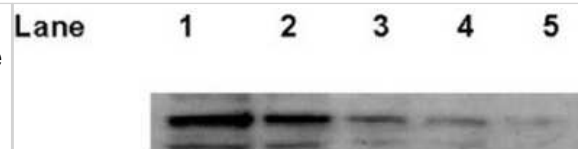
Immunohistochemistry-Paraffin: p53 Antibody (Pab1801) [NB200-104] - NCI-H1299 xenograft. p53 antibody [Pab1801] diluted at 1:200. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



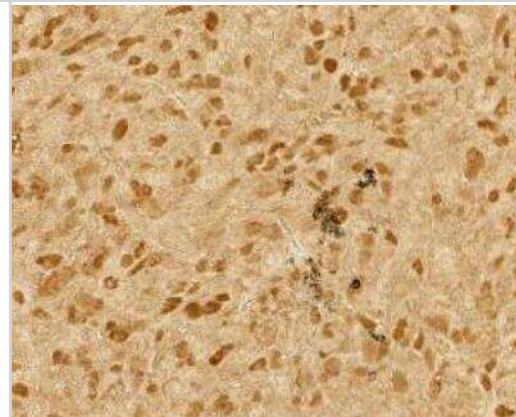
Chromatin Immunoprecipitation: p53 Antibody (Pab1801) [NB200-104] - Immunoprecipitates p53 protein-DNA complex in ChIP experiments. ChIP Sample: HCT116 whole cell Lysate/extract treated with CPT 500nM for 6hr A. 5 ug preimmune mouse IgG B. 5 ug of p53 antibody (NB200-104) The precipitated DNA was detected by PCR with primer set targeting to p21 promoter.



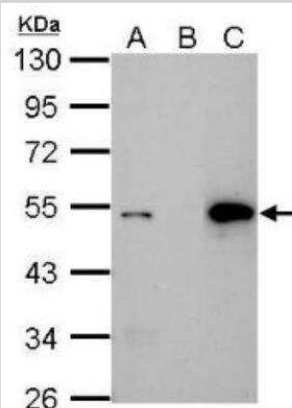
Western Blot: p53 Antibody (PAb 1801) [NB200-104] - Lanes are as follows: Lane 1 - 20ug of A549 lysate, lane 2 - 10ug of A549 lysate, lane 3 - 5ug of A549 lysate, lane 4 - 2.5ug of A549 lysate, lane 5 - 1.5ug of A549 lysate.



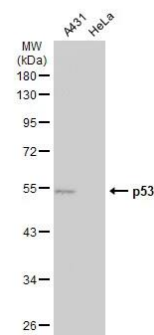
Immunohistochemistry-Paraffin: p53 Antibody (Pab1801) [NB200-104] - p53 Antibody (PAb 1801) [NB200-104] - Tumor tissues from human medulloblastoma cells xenografted in the mouse cerebellum stained with p53 antibody. Image submitted by a verified customer review.



Immunoprecipitation: p53 Antibody (Pab1801) [NB200-104] - Immunoprecipitation of p53 protein. HCT116 lysates with 30uM cisplatin treatment for 24 hours were subjected to immunoprecipitation using (B) normal mouse IgG or (C) 2.5 ug of anti-p53 antibody (NB200-104). (A) Input, 20ug of HCT116 lysate. The precipitated protein was detected by NB200-104. EasyBlot anti-Mouse IgG Kit was used in Western blot.



Western Blot: p53 Antibody (Pab1801) [NB200-104] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with p53 antibody [Pab1801] (NB200-104) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.



## Publications

Aylon Y, Ofir-Rosenfeld Y et al. The Lats2 tumor suppressor augments p53-mediated apoptosis by promoting the nuclear proapoptotic function of ASPP1. *Genes Dev* 2010-01-11 [PMID: 21041410] (WB, Human)

Maloyan A, Muralimanoharan S, Huffman S et al. Identification and comparative analyses of myocardial miRNAs involved in the fetal response to maternal obesity. *Physiol Genomics*. 2013-10-01 [PMID: 23922128]

Yamamura S, Kawakami K, Hirata H et al. Oncogenic functions of secreted Frizzled-related protein 2 in human renal cancer. *Mol Cancer Ther* 2010-06-01 [PMID: 20501806] (WB, Human)

Said, JW, Barrera, R, Shintaku, IP Koeffler, HP. (1992) Immunohistochemical analysis of p53 expression in malignant lymphomas. *Am J Path* 141:1343-1348. [PMID: 1466398] (IF/IHC)

Dornan, D et al. COP1, the Negative Regulator of p53, Is Overexpressed in Breast Ovarian Adenocarcinomas. *Cancer Research* 64: 7226-7230. 2004-01-01 [PMID: 15492238]





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### **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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