

# Product Datasheet

## **p53 Antibody NB200-103SS**

Unit Size: 0.025 ml

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

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Updated 6/15/2014 v.20.1

**NB200-103SS**

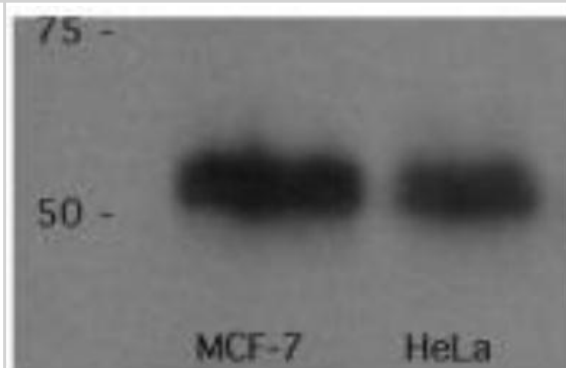
p53 Antibody (PAb 240)

Product Information	
Unit Size	0.025 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PAb 240
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	7157
Gene Symbol	TP53
Species	Human, Mouse, Rat, Yeast, Xenopus (Negative)
Species Reactivity	Cross-reacts with Human, Mouse, Rat and most other Mammals. Yeast reactivity reported in scientific literature (PMID: 8710879) Does not cross-react with Xenopus laevis. Not yet tested in other species.
Specificity/Sensitivity	This monoclonal recognizes both mutant forms and wild-type human p53 under denaturing conditions.
Immunogen	Gel-purified p53-beta-galactosidase fusion protein containing murine p53 from aa 14-389 (derived from pSV53C cDNA clone).
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	ELISA 1:100-1:2000, Flow Cytometry 1:10-1:1000, Immunocytochemistry/Immunofluorescence, Immunohistochemistry 1:250-1:500, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin 1:250-1:500, Immunoprecipitation 10ug/mg, Western Blot 1:1000-1:2000
Application Notes	Antigen retrieval with IHC-P is not essential but may optimise staining. In IP this antibody reacts with only mutant p53 protein under non-denaturing conditions. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 1394225) Use in Immunohistochemistry-Frozen reported in various pieces of scientific literature.



## Images

Western Blot: p53 Antibody (PAb 240) [NB200-103] - WB analysis of p53 in MCF7 and HeLa lystates. Image courtesy of anonymous customer product review.



## Publications

Biswas AK, Mitchell DL, Johnson DG. E2F1 Responds to Ultraviolet Radiation by Directly Stimulating DNA Repair and Suppressing Carcinogenesis. *Cancer Res.* 2014 Apr 16 [PMID: 24741006] (IHC-P, Mouse)

Farrell PJ, Allan GJ, Shanahan F et al. p53 is frequently mutated in Burkitt's lymphoma cell lines. *EMBO J.* 1991 Oct [PMID: 1915267] (IP)

Blagoskionny MV, Toretsky J, Bohlen S et al. Mutant conformation of p53 translated in vitro or in vivo requires functional HSP90. *Proc Natl Acad Sci USA.* 1996 Aug 6 [PMID: 8710879] (IP, Yeast)

Martinez J, Georgoff I, Martinez J et al. Cellular localization and cell cycle regulation by a temperature-sensitive p53 protein. *Genes Dev.* 1991 Feb [PMID: 1995413] (ICC/IF, Rat)

Asher G, Lotem J, Cohen B et al. Regulation of p53 stability and p53-dependent apoptosis by NADH quinone oxidoreductase 1. *Proc Natl Acad Sci USA.* 2001 Jan 30 [PMID: 11158615] (WB, Mouse)

Gannon JV, Greaves R, Iggo R, Lane DP. Activating mutations in p53 produce a common conformational effect. A monoclonal antibody specific for the mutant form. *EMBO J.* 1990 May [PMID: 1691710] (IHC, IP, WB, ELISA, Human, Mouse, Rat)

Halazonetis TD, davis LJ, Kandil AN. Wild-type p53 adopts a 'mutant'-like conformation when bound to DNA. *EMBO J.* 1993 Mar [PMID: 8458320] (WB, IP, Human)

Bargonetti J, Manfredi JJ, Chen X et al. A proteolytic fragment from the central region of p53 has marked sequence-specific DNA-binding activity when generated from wild-type but not from oncogenic mutant p53 protein. *Genes Dev.* 1993 Dec [PMID: 8276239] (WB, Human)

Jones NA, Turner J, McIlwrath AJ et al. Cisplatin- and paclitaxel-induced apoptosis of ovarian carcinoma cells and the relationship between bax and bak up-regulation and the functional status of p53. *Mol Pharmacol.* 1998 May [PMID: 9584207] (IP, Human)

Rubio MP, von Deimling A, Yandell DW et al. Accumulation of wild type p53 protein in human astrocytomas. *Cancer Res.* 1993 Aug 1 [PMID: 8339248] (IHC-Fr, Human)

Eccles DM, Brett L, Lessells A et al. Overexpression of the p53 protein and allele loss at 17p13 in ovarian carcinoma. *Br J Cancer.* 1992 Jan [PMID: 1310251] (IHC-Fr, Human)

Cunningham J, Lust JA, Schaid DJ et al. Expression of p53 and 17p allelic loss in colorectal carcinoma. *Cancer Res.* 1992 Apr 1 [PMID: 1551126] (IHC, Human)

More publications at <http://www.novusbio.com/NB200-103>



### **Novus Biologicals USA**

8100 Southpark Way, A-8  
Littleton, CO 80120  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
novus@novusbio.com

### **Novus Biologicals Canada**

461 North Service Road West, Unit B37  
Oakville, ON L6M 2V5  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada@novusbio.com

### **Novus Biologicals Europe**

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@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: technical@novusbio.com  
Orders: orders@novusbio.com  
General: novus@novusbio.com

### **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 guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee).**

