

# Product Datasheet

## p73 Antibody - BSA Free NB100-420

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

**Publications: 13**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB100-420](http://www.novusbio.com/NB100-420)

Updated 9/9/2025 v.20.1

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

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NB100-420](http://www.novusbio.com/reviews/destination/NB100-420)



**NB100-420**

p73 Antibody - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

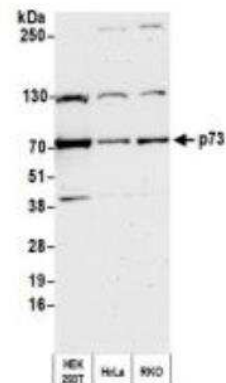
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit p73 Antibody - BSA Free (NB100-420) is a polyclonal antibody validated for use in WB and IP. Anti-p73 Antibody: Cited in 13 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	7161
<b>Gene Symbol</b>	TP73
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	The epitope is found in isoforms alpha, beta, gamma, delta, epsilon, zeta, and kappa of human p73. The antibody is not expected to react with deltaNp73.
<b>Immunogen</b>	A synthetic peptide mapping to a region between residues 1 and 62 of human tumor protein p73 using the numbering given in Swiss-Prot entry O15350 (GeneID 7161).

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:2000 - 1:10000, Immunoprecipitation 2-10 ug/mg of lysate

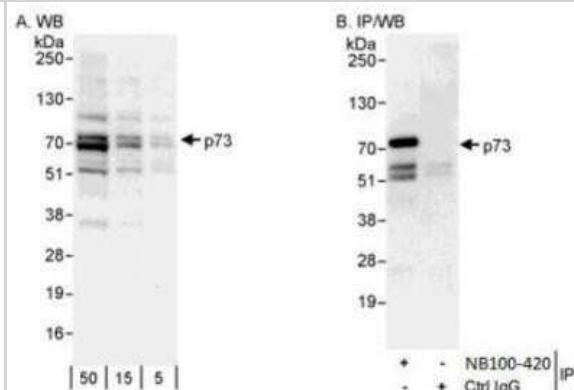


## Images

Western Blot: p73 Antibody [NB100-420] - Whole cell lysate (50 ug) from HEK293T, HeLa, and RKO cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-p73 antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



Western Blot: p73 Antibody [NB100-420] - Detection of Human p73 by Western Blot and Immunoprecipitation. Samples: Whole cell lysate (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) from 293T cells. Antibodies: Affinity purified rabbit anti-p73 antibody NB100-420 used for WB at 1 ug/ml (A and B) and used for IP at 3 ug/mg lysate. Detection: Chemiluminescence with exposure times of 10 seconds (A) and 30 seconds (B).



## Publications

Ruhul Amin AR, Thakur VS, Gupta K et al. N-(phosphonacetyl)-L-aspartate induces TAp73-dependent apoptosis by modulating multiple Bcl-2 proteins: potential for cancer therapy. *Oncogene* 2012-03-01 [PMID: 22430213]

Tebbi A, Guittet O, Cottet MH et al. TAp73 induction by nitric oxide: regulation by checkpoint kinase 1 (CHK1) and protection against apoptosis. *J Biol Chem*. 2011-03-11 [PMID: 21212274]

Barton CE, Johnson KN, Mays DM et al. Novel p63 target genes involved in paracrine signaling and keratinocyte differentiation. *Cell Death Dis* 2010-01-01 [PMID: 21151771]

Rana S, Gupta K, Gomez J et al. Securinine induces p73-dependent apoptosis preferentially in p53-deficient colon cancer cells. *FASEB J* 2010-06-01 [PMID: 20133503]

Zhang J, Chen X, Kent MS et al. Establishment of a dog model for the p53 family pathway and identification of a novel isoform of p21 cyclin-dependent kinase inhibitor. *Mol Cancer Res* 2009-01-01 [PMID: 19147538]

Dar AA, Belkhiri A, Ecsedy J et al. Aurora kinase A inhibition leads to p73-dependent apoptosis in p53-deficient cancer cells. *Cancer Res* 2008-11-01 [PMID: 18974145]

Levy D, Reuven N, Shaul Y et al. A regulatory circuit controlling Itch-mediated p73 degradation by Runx. *J Biol Chem* 2008-10-01 [PMID: 18701449]

Rosenbluth Jennifer M, Mays Deborah J, Pino Maria F et al. A gene signature-based approach identifies mTOR as a regulator of p73. *Mol Cell Biol*. 2008-10-01 [PMID: 18678646]

Kravchenko JE, Ilyinskaya GV, Komarov PG et al. Small-molecule RETRA suppresses mutant p53-bearing cancer cells through a p73-dependent salvage pathway. *Proc Natl Acad Sci U S A* 2008-04-01 [PMID: 18424558]

Kommagani R, Payal V, Kadakia MP et al. Differential regulation of vitamin D receptor (VDR) by the p53 Family: p73-dependent induction of VDR upon DNA damage. *J Biol Chem* 2007-10-01 [PMID: 17716971]

Amin AR, Thakur VS, Paul RK et al. SHP-2 tyrosine phosphatase inhibits p73-dependent apoptosis and expression of a subset of p53 target genes induced by EGCG. *Proc Natl Acad Sci U S A* 2007-03-01 [PMID: 17369354]

Zhang J, Chen X. DeltaNp73 modulates nerve growth factor-mediated neuronal differentiation through repression of TrkA. *Mol Cell Biol* 2007-05-01 [PMID: 17353261]

More publications at <http://www.novusbio.com/NB100-420>





### **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 NB100-420**

---

NBL1-17209	p73 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

---

### **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](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NB100-420](http://www.novusbio.com/reviews/submit/NB100-420)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

