

# Product Datasheet

## p53 DINP1 Antibody - BSA Free NBP1-76638

Unit Size: 0.1 mg

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

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



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

**Reviews: 1 Publications: 1**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-76638](http://www.novusbio.com/NBP1-76638)

Updated 3/4/2026 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/NBP1-76638](http://www.novusbio.com/reviews/destination/NBP1-76638)



**NBP1-76638**

p53 DINP1 Antibody - BSA Free

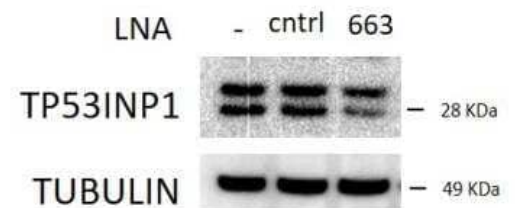
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	30 kDa

Product Description	
Host	Rabbit
Gene ID	94241
Gene Symbol	TP53INP1
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity per customer review.
Specificity/Sensitivity	At least two isoforms of p53DINP1 are known to exist; this antibody will detect both isoforms.
Immunogen	Antibody was raised with a synthetic peptide corresponding to 14 amino acids near the amino terminus of human p53DINP1. The immunogen is located within the first 50 amino acids of p53DINP1. Amino Acid Sequence: MFQYLNKMFVGEVS

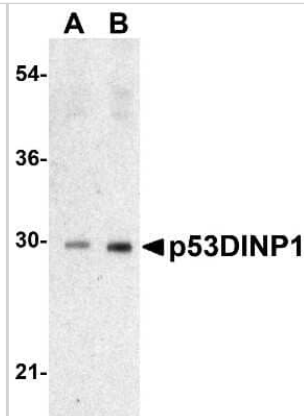
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.5-1 ug/ml , ELISA, Immunohistochemistry 2 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin 2 ug/ml

**Images**

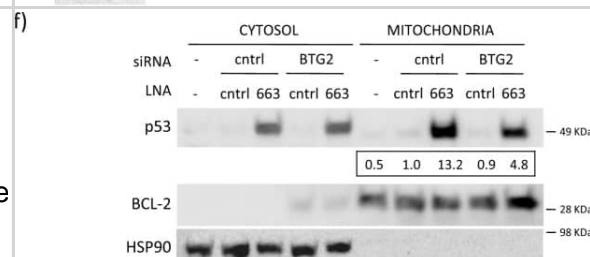
Western Blot: p53 DINP1 Antibody - BSA Free [NBP1-76638] - p53 DINP1 Antibody [NBP1-76638] - Western blotting showing TP53INP1 protein levels in NIH-H460 cells treated LNA-663. TUBULIN was used as protein loading control. Image collected and cropped by CiteAb from the following publication ([nature.com/articles/s41419-017-0080-x](https://www.nature.com/articles/s41419-017-0080-x)) licensed under a CC-BY license.



Western Blot: p53 DINP1 Antibody - BSA Free [NBP1-76638] - p53 DINP1 Antibody [NBP1-76638] - Expression in human lung tissue lysate with p53DINP1 antibody at (A) 0.5 and (B) 1 u/mL.



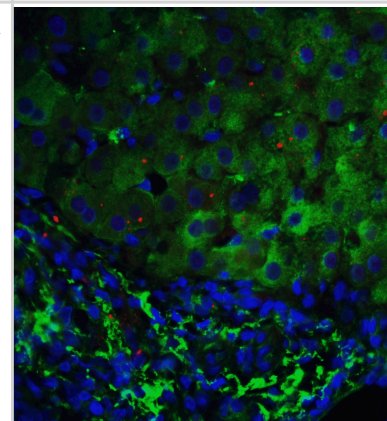
Western Blot: p53 DINP1 Antibody - BSA Free [NBP1-76638] - miR-663 controls PIN-1-mediated apoptosis & p53 mitochondrial function  
 Immunoblot showing BTG2 downmodulation 72 h after siRNA transfection. TUBULIN was used as protein loading control. Normalized BTG2 levels are expressed as fold decrease relative to cntrl treated cells. b Western blotting showing BTG2 modulation in NIH-H460 after the indicated treatments. Double transfection of anti-BTG2 siRNA together with LNA-663 restores BTG2 levels of control cells, counteracting LNA-mediated induction. PARP-1 cleavage is reduced to 60%. TUBULIN was used as protein loading control. Numbers indicate BTG2 levels fold change relative to cntrl treated cells, & cleaved PARP-1 levels fold decrease relative to LNA-663/cntrl siRNA-treated cells. The values were normalized to TUBULIN signal, as measured by densitometric analyses. c Subcellular BTG2 & PIN-1 localization in NIH-H460 cells treated with control LNA or LNA-663 was assessed by immunofluorescence staining. d Mitochondrial membrane potential of NIH-H460 cells upon miR-663 downmodulation was measured by JC-1 staining. An increase of the ratio between green & red signals is indicative of membrane depolarization typical of apoptotic cells. e Western blotting showing PIN-1 modulation in NIH-H460 subcellular fractions 24 h after LNA-663 treatment.



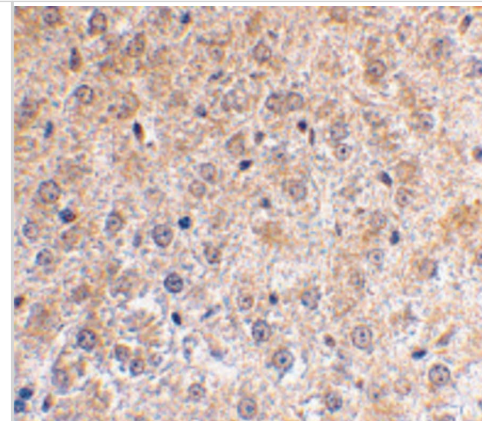
Cytoplasmic accumulation & nuclear decrease of PIN-1 are expressed as fold changes relative to cntrl-treated cells. The histogram shows the ratio between cytoplasmic & nuclear signal. f Immunoblot of p53 in NIH-H460 subcellular fractions. Hsp90 & Bcl-2 were used as cytoplasmic & mitochondrial markers, respectively. Mitochondrial p53 modulation is expressed as fold increase relative to cntrl treated cells & normalized to Bcl-2 signal. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/29352138>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

Immunocytochemistry/ Immunofluorescence: p53 DINP1 Antibody - BSA Free [NBP1-76638] - Immunofluorescence of p53 DINP1 in human liver tissue with p53 DINP1 antibody at 5 ug/ml.

Green: p53 DINP1 antibody  
 Red: Phalloidin staining  
 Blue: DAPI staining



Immunohistochemistry: p53 DINP1 Antibody - BSA Free [NBP1-76638] - Immunohistochemical staining of mouse liver using p53 DINP1 antibody at 2 ug/mL.



## Publications

Fiori ME, Villanova L, Barbini C et al. miR-663 sustains NSCLC by inhibiting mitochondrial outer membrane permeabilization (MOMP) through PUMA/BBC3 and BTG2. Cell Death Dis. 2018-01-19 [PMID: 29352138] (WB, Human)

### Details:

The Novus P53 DINP1 antibody was used in western blot to look at the effect of miR-663 knock down on TP53INP1 protein levels. No correlation was found between TP53INP1 expression levels and miR-663 knock down.



### **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 NBP1-76638**

---

NBP1-76638PEP	p53 DINP1 Antibody Blocking Peptide
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/NBP1-76638](http://www.novusbio.com/reviews/submit/NBP1-76638)

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

