

# Product Datasheet

## p21/CIP1/CDKN1A Antibody (1032) - Azide and BSA Free NBP2-43697

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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



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

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-43697](http://www.novusbio.com/NBP2-43697)

Updated 9/25/2025 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/NBP2-43697](http://www.novusbio.com/reviews/destination/NBP2-43697)



**NBP2-43697**

p21/CIP1/CDKN1A Antibody (1032) - Azide and BSA Free

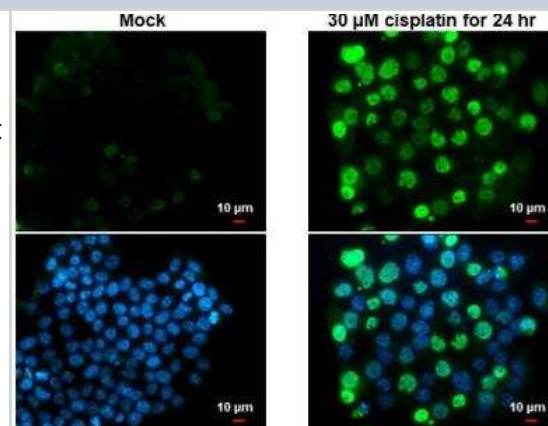
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1032
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	18 kDa

Product Description	
<b>Description</b>	Novus Biologicals Knockout (KO) Validated Mouse p21/CIP1/CDKN1A Antibody (1032) - Azide and BSA Free (NBP2-43697) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	1026
<b>Gene Symbol</b>	CDKN1A
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human p21/CIP1/CDKN1A. The exact sequence is proprietary.

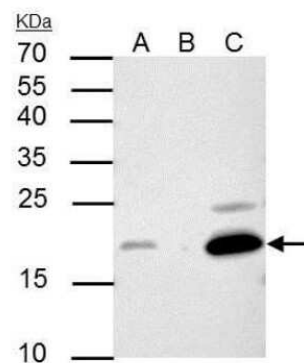
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Flow Cytometry Assay dependent, Immunohistochemistry Assay dependent, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin Assay dependent, Knockout Validated

**Images**

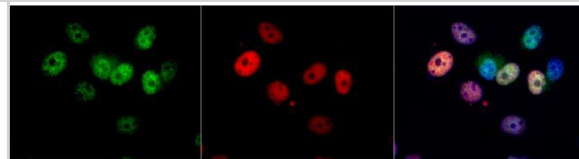
Immunocytochemistry/Immunofluorescence: p21/CIP1/CDKN1A Antibody (1032) [NBP2-43697] - Sample: Mock and treated HCT116 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: p21 Cip1 stained by p21 Cip1 antibody [1032] diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar= 10 um.



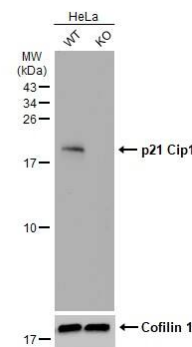
Immunoprecipitation: p21/Cip1/CDKN1A Antibody (1032) [NBP2-43697]  
 - Analysis of HCT-116 whole cell extract treat with 30uM cisplatin for 48 hr A. 30 ug HCT-116 whole cell extract treat with 30uM cisplatin for 48 hr B. Control with 4 ug of preimmune Mouse IgG C. Immunoprecipitation of CDKN1A protein by 4 ug p21 Cip1 antibody [1032] 15 % SDS-PAGE  
 The immunoprecipitated CDKN1A protein was detected by p21 Cip1 antibody [1032] diluted at 1:1000. [EasyBlot anti-mouse IgG was used as a secondary reagent]



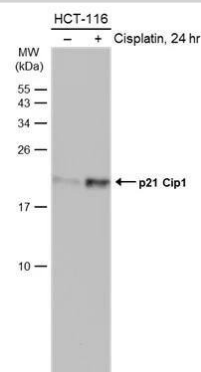
p21 Cip1 antibody [GT1032] detects p21 Cip1 protein at nucleus by immunofluorescent analysis.  
 Sample: MCF7 cells were fixed in 4% paraformaldehyde at RT for 15 min.  
 Green: CDK4 protein stained by CDK4 antibody diluted at 1:1000.  
 Red: p21 Cip1 protein stained by p21 Cip1 antibody [GT1032] (NBP2-43697) diluted at 1:500.  
 Blue: Hoechst 33342 staining.



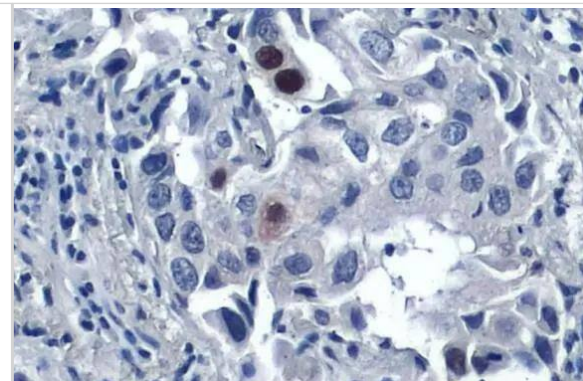
Wild-type (WT) and p21 Cip1 knockout (KO) HeLa cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with p21 Cip1 antibody [GT1032] (NBP2-43697) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



Untreated (-) and treated (+) HCT-116 whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with p21 Cip1 antibody [GT1032] (NBP2-43697) diluted at 1:5000. The HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.



p21 Cip1 antibody [GT1032] detects p21 Cip1 protein at nucleus by immunohistochemical analysis. Sample: Paraffin-embedded human lung cancer. p21 Cip1 stained by p21 Cip1 antibody [GT1032] (NBP2-43697) diluted at 1:200. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



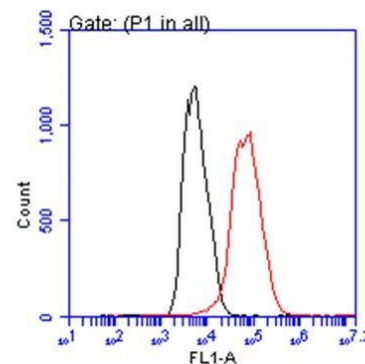
p21 Cip1 antibody [GT1032] (NBP2-43697) detects p21 Cip1 by flow cytometry analysis.

Sample: HepG2 cell.

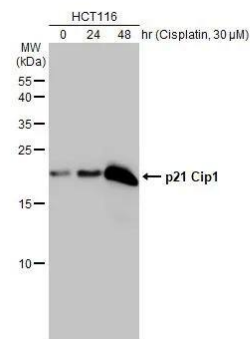
Black: Unlabelled sample was used as a control.

Red: p21 Cip1 antibody [GT1032] (NBP2-43697) dilution: 1:50.

Acquisition of 20,000 events were collected for FACS analysis.



Untreated (-) and treated (+) HCT 116 whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with p21 Cip1 antibody [GT1032] (NBP2-43697) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.





### **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 NBP2-43697**

---

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

---

### **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/NBP2-43697](http://www.novusbio.com/reviews/submit/NBP2-43697)

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

