

# Product Datasheet

## NUSAP1 Antibody - Azide and BSA Free H00051203-B01P

Unit Size: 0.05 mg

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)

### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/H00051203-B01P](http://www.novusbio.com/H00051203-B01P)

Updated 2/21/2025 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/H00051203-B01P](http://www.novusbio.com/reviews/destination/H00051203-B01P)



**H00051203-B01P**

NUSAP1 Antibody - Azide and BSA Free

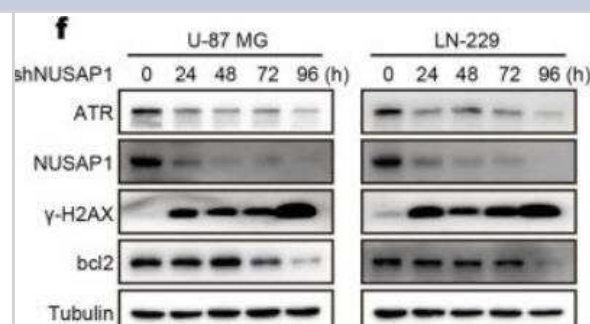
Product Information	
Unit Size	0.05 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH 7.4)

Product Description	
Host	Mouse
Gene ID	51203
Gene Symbol	NUSAP1
Species	Human
Specificity/Sensitivity	NUSAP1 - nucleolar and spindle associated protein 1,
Immunogen	NUSAP1 (NP_057443.1, 1 a.a. - 226 a.a.) full-length human protein. MNELKQQPINKGGV RTPVPPRGRLSVASTPISQRRSQGRSCGPASQSTLGLK GSLKRSAISAAKTGVRFS AATKDNEHKRSLTKTPARKSAHVTVSGGTPKGEAV LGTHKLKTITGNSAAVITPFKLTTEATQTPVSNKKPVFDLKASLSRPLNYEPHKG KLKPWGQSKENNYLNQHVNRINFYKKTYKQPHLQTKEEQRKKREQERKEKKA KVLGMRRGLILAED
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

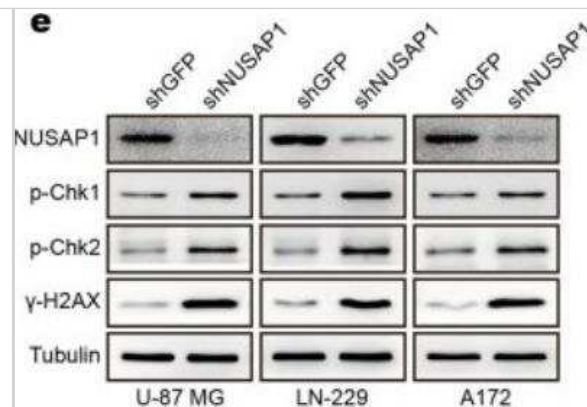
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:2000
Application Notes	Antibody reactive against Recombinant Protein with GST tag on ELISA and Western Blot and also on transfected lysate in western blot. GST tag alone is used as a negative control.

**Images**

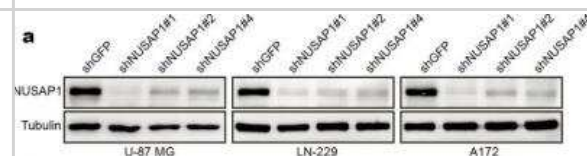
Western Blot: NUSAP1 Antibody [H00051203-B01P] - Depletion of NUSAP1 induces DNA damage in GBM cells. The level of the indicated proteins in GBM cells with NUSAP1 knockdown for 0h, 24h, 48h, 72h, and 96h. All data are used as the mean $\pm$  SD, and significant differences were determined by Student's t test. \*P<0.05, \*\*P<0.01, \*\*\*P<0.001. P<0.05 was considered statistically significant. Image collected and cropped by CiteAb from the following publication ([nature.com/articles/s41392-020-0137-7](https://www.nature.com/articles/s41392-020-0137-7)), licensed under a CC-BY license.



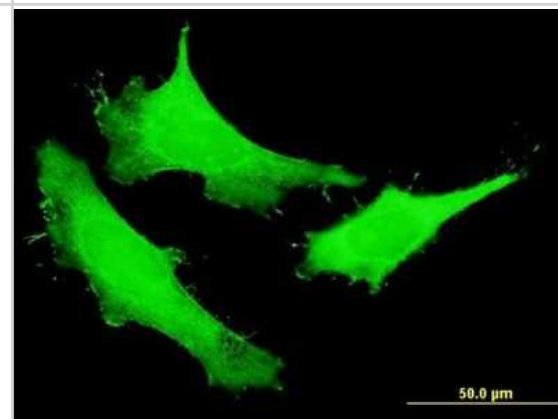
Western Blot: NUSAP1 Antibody [H00051203-B01P] - Depletion of NUSAP1 induces DNA damage in GBM cells. Western blot analyses of DDR proteins in GBM with NUSAP1 knockdown. Image collected and cropped by CiteAb from the following publication ([nature.com/articles/s41392-020-0137-7](https://www.nature.com/articles/s41392-020-0137-7)), licensed under a CC-BY license.



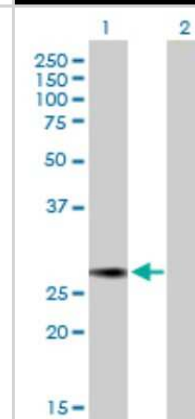
Western Blot: NUSAP1 Antibody [H00051203-B01P] - Silencing NUSAP1 inhibits cell proliferation and causes apoptosis in GBM cells. a Western blot analyses of NUSAP1 in cells with NUSAP1 knockdown. Image collected and cropped by CiteAb from the following publication ([nature.com/articles/s41392-020-0137-7](https://www.nature.com/articles/s41392-020-0137-7)), licensed under a CC-BY license.



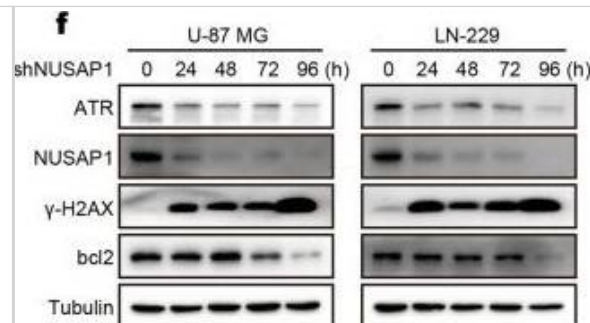
Immunocytochemistry/Immunofluorescence: NUSAP1 Antibody [H00051203-B01P] - Analysis of purified antibody to NUSAP1 on HeLa cell. (antibody concentration 10 ug/ml)



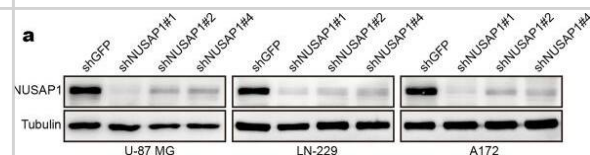
Western Blot: NUSAP1 Antibody [H00051203-B01P] - Analysis of NUSAP1 expression in transfected 293T cell line by NUSAP1 polyclonal antibody. Lane 1: NUSAP1 transfected lysate(24.86 KDa). Lane 2: Non-transfected lysate.



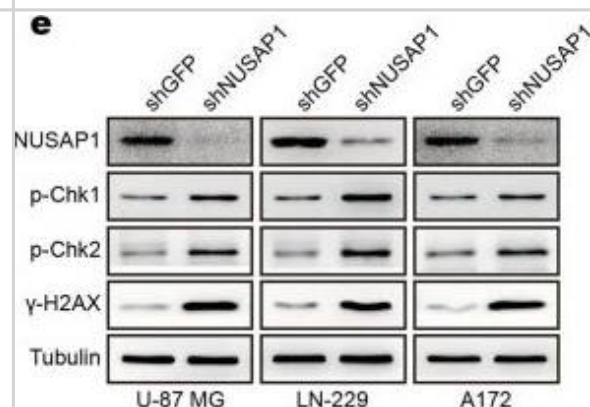
Western Blot: NUSAP1 Antibody [H00051203-B01P] - Depletion of NUSAP1 induces DNA damage in GBM cells. a Mini ontology obtained in French's database using gene sets related to NUSAP1, which were identified by a significant difference of  $P < 0.001$ . b Tailed DNA in single cells depleted of NUSAP1. c IF staining of  $\gamma$ -H2AX in NUSAP1-knockdown GBM cells. d Quantification of  $\gamma$ -H2AX foci in the indicated GBM cells. e Western blot analyses of DDR proteins in GBM with NUSAP1 knockdown. f The level of the indicated proteins in GBM cells with NUSAP1 knockdown for 0 h, 24 h, 48 h, 72 h, & 96 h. All data are used as the mean  $\pm$  SD, & significant differences were determined by Student's t test. \* $P < 0.05$ , \*\* $P < 0.01$ , \*\*\* $P < 0.001$ .  $P < 0.05$  was considered statistically significant Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32317623>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: NUSAP1 Antibody [H00051203-B01P] - Silencing NUSAP1 inhibits cell proliferation & causes apoptosis in GBM cells. a Western blot analyses of NUSAP1 in cells with NUSAP1 knockdown. b The morphology & cell number of GBM cells after knocking down NUSAP1. c Viability of NUSAP1-knockdown GBM cells. d BrdU-positive GBM cells after knocking down NUSAP1. e Flow cytometry analyses of apoptosis in GBM cells with NUSAP1 knockdown. f The expression of the apoptotic proteins bcl2 & cleaved caspase-3 in cells with NUSAP1 knockdown. g Caspase-3/7 activity of GBM cells with NUSAP1 knockdown. All data are expressed as the mean  $\pm$  SD, & significant differences were determined by Student's t test. \* $P < 0.05$ , \*\* $P < 0.01$ , \*\*\* $P < 0.001$ .  $P < 0.05$  was considered statistically significant Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32317623>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: NUSAP1 Antibody [H00051203-B01P] - Depletion of NUSAP1 induces DNA damage in GBM cells. a Mini ontology obtained in French's database using gene sets related to NUSAP1, which were identified by a significant difference of  $P < 0.001$ . b Tailed DNA in single cells depleted of NUSAP1. c IF staining of  $\gamma$ -H2AX in NUSAP1-knockdown GBM cells. d Quantification of  $\gamma$ -H2AX foci in the indicated GBM cells. e Western blot analyses of DDR proteins in GBM with NUSAP1 knockdown. f The level of the indicated proteins in GBM cells with NUSAP1 knockdown for 0 h, 24 h, 48 h, 72 h, & 96 h. All data are used as the mean  $\pm$  SD, & significant differences were determined by Student's t test. \* $P < 0.05$ , \*\* $P < 0.01$ , \*\*\* $P < 0.001$ .  $P < 0.05$  was considered statistically significant Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32317623>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

NUSAP1 Potentiates Chemoresistance in Glioblastoma Through Its SAP Domain to Stabilize ATR Zhao Y, He J, Li Y et al. Signal Transduct Target Ther. [PMID: 32317623] (WB, Human)



### **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](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to H00051203-B01P**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97019-5mg	Mouse IgG Isotype Control
H00051203-P02-10ug	Recombinant Human NUSAP1 GST (N-Term) Protein

### **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/H00051203-B01P](http://www.novusbio.com/reviews/submit/H00051203-B01P)

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

