

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.

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Publications: 1

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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)

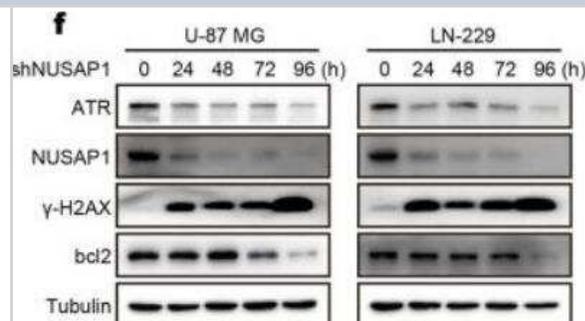
Product Description	
Description	Novus Biologicals Mouse NUSAP1 Antibody - Azide and BSA Free (H00051203-B01P) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-NUSAP1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene 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 GSLKRSAISA AKTGVRFS AATKDNEHKRSLTKTPARKSAHVTVSGGTPKGEAV LGTHKLKTITGNSAAVITPFKLTTEATQTPVSNKKPVFDLKASLSRPLNYEPHKG KLKPWGQSKENNYLNQHVNRINFYKKTYPHLQTKEEQRKKREQERKEKKA 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.

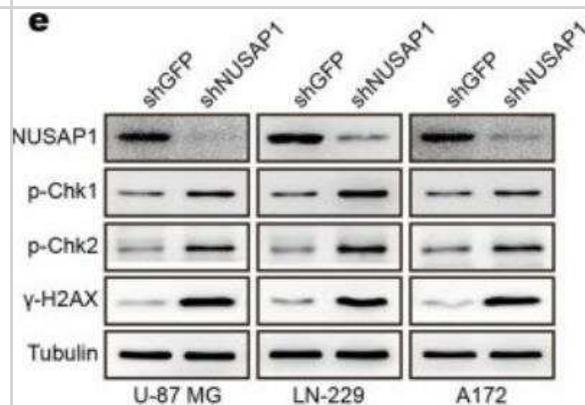


Images

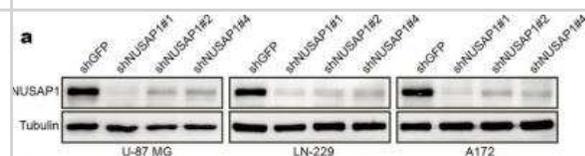
Western Blot: NUSAP1 Antibody [H00051203-B01P] - Depletion of NUSAP1 induces DNA damage in GBM cells. The level of the indicated proteins in GBM cells with NUSAP1 knockdown for 0h, 24h, 48h, 72h, and 96h. All data are used as the mean \pm SD, and significant differences were determined by Student's t 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.



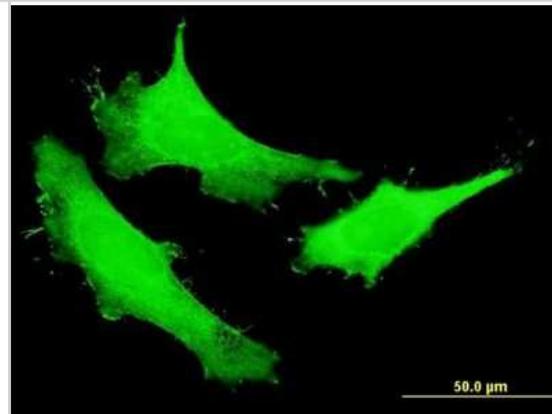
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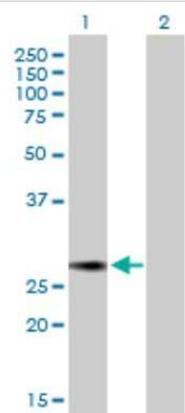
Western Blot: NUSAP1 Antibody [H00051203-B01P] - Silencing NUSAP1 inhibits cell proliferation and causes apoptosis in GBM cells. a Western blot analyses of NUSAP1 in cells with NUSAP1 knockdown. Image collected and cropped by CiteAb from the following publication ([nature.com/articles/s41392-020-0137-7](https://www.nature.com/articles/s41392-020-0137-7)),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



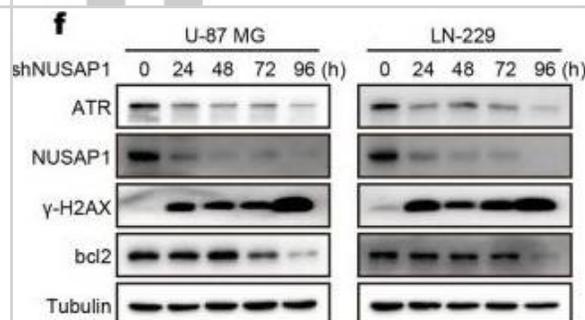
Immunocytochemistry/Immunofluorescence: NUSAP1 Antibody [H00051203-B01P] - Analysis of purified antibody to NUSAP1 on HeLa cell. (antibody concentration 10 μ g/ml)



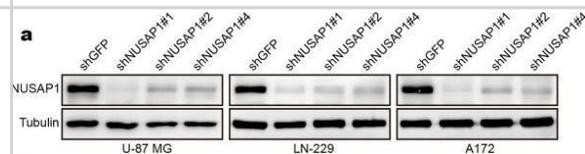
Western Blot: NUSAP1 Antibody [H00051203-B01P] - Analysis of NUSAP1 expression in transfected 293T cell line by NUSAP1 polyclonal antibody. Lane 1: NUSAP1 transfected lysate(24.86 KDa). Lane 2: Non-transfected lysate.



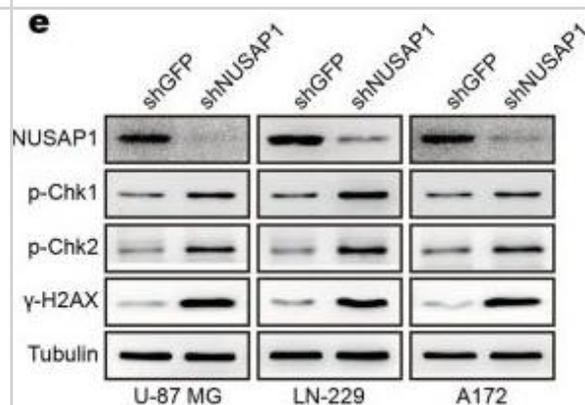
Western Blot: NUSAP1 Antibody [H00051203-B01P] - Depletion of NUSAP1 induces DNA damage in GBM cells. a Mini ontology obtained in French's database using gene sets related to NUSAP1, which were identified by a significant difference of $P < 0.001$. b Tailed DNA in single cells depleted of NUSAP1. c IF staining of γ -H2AX in NUSAP1-knockdown GBM cells. d Quantification of γ -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.



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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)





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Products Related to H00051203-B01P

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]
NBP1-97019-5mg	Mouse 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.

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