

Product Datasheet

Shugoshin Antibody (3C11) - Azide and BSA Free H00151648-M01

Unit Size: 0.1 mg

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

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H00151648-M01

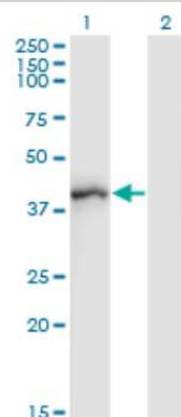
Shugoshin Antibody (3C11) - Azide and BSA Free

Product Information	
Unit Size	0.1 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	Monoclonal
Clone	3C11
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Novus Biologicals Mouse Shugoshin Antibody (3C11) - Azide and BSA Free (H00151648-M01) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. Anti-Shugoshin Antibody: Cited in 18 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	151648
Gene Symbol	SGO1
Species	Human, Mouse, Rat
Reactivity Notes	Other species not tested.
Specificity/Sensitivity	SGOL1 - shugoshin-like 1 (S. pombe)
Immunogen	SGOL1 (AAH17867, 1 a.a. ~ 292 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MAKERCLKKSFQDSLEDIKKRMKEKRNKNLAEIGKRRSFIAAPCQIITNTSTLLK NYQDNNKMLVLALENEKSKVKEAQDIIQLRKECYLTCQLYALKGKLTSSQQT EPAQNQEICSSGMDPNSSDDSSRNLFVKDLPQIPLEETELPGQGGSFQIEATPPE TQQSPHLSLKDITNVSLYPVVKIRRLSLSPKKNKASPAVALPKRRCTASVNYKE PTLASKLRRGDPFTDLCFLNSPIFKQKKDLRRSKKRALEVSPAKEAIFILYYVREF VSRFPDCRKCKLETHICLR
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Functional, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin, Functional
Application Notes	Antibody Reactive against Recombinant Protein with GST tag on ELISA and Western Blot. GST tag alone is used as a negative control. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 26670547).

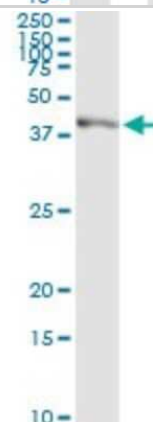


Images

Western Blot: Shugoshin Antibody (3C11) [H00151648-M01] - Analysis of SGOL1 expression in transfected 293T cell line by SGOL1 monoclonal antibody (M01), clone 3C11. Lane 1: SGOL1 transfected lysate (33.5 KDa). Lane 2: Non-transfected lysate.



Immunoprecipitation: Shugoshin Antibody (3C11) [H00151648-M01] - Analysis of SGOL1 transfected lysate using anti-SGOL1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with SGOL1 MaxPab rabbit polyclonal antibody.



Publications

Qinfu C, Miao Z, Xuan P et al. Bub1 and CENP-U redundantly recruit Plk1 to stabilize kinetochore-microtubule attachments and ensure accurate chromosome segregation. *Cell Rep.* 2021-09-21 [PMID: 34551298]

Zhang M, Liang C, Chen Q et al. Histone H2A phosphorylation recruits topoisomerase II β to centromeres to safeguard genomic stability. *EMBO J.* 2019-11-26 [PMID: 31769059]

Vallardi G, Allan LA, Crozier L, Saurin AT et al. Division of labour between PP2A-B56 isoforms at the centromere and kinetochore. *Elife.* 2019-03-04 [PMID: 30829571]

Liang C, Zhang Z, Chen Q et al. A positive feedback mechanism ensures proper assembly of the functional inner centromere during mitosis in human cells. *J Biol Chem.* 2018-11-29 [PMID: 30498087]

Song AT, Galli A, Leclerc S et al. Dataset of Sgo1 expression in cardiac, gastrointestinal, hepatic and neuronal tissue in mouse. *Data Brief* 2017-07-01 [PMID: 28748208]

Zielinska AP, Holubcova Z, Blayney M et al. Sister kinetochore splitting and precocious disintegration of bivalents could explain the maternal age effect. *Elife* 2015-12-15 [PMID: 26670547] (ICC/IF)

Asghar A, Lajeunesse A, Dulla K et al. Bub1 autophosphorylation feeds back to regulate kinetochore docking and promote localized substrate phosphorylation. *Nat Commun* 2015-09-24 [PMID: 26399325] (WB)

C. van de Werken¹, M. Avo Santos, J.S.E. Laven et al. Chromosome segregation regulation in human zygotes: altered mitotic histone phosphorylation dynamics underlying centromeric targeting of the chromosomal passenger complex. *Hum Reprod.* 2015-07-29 [PMID: 26223676]

Garcia-Cruz R, Brieno MA, Roig I et al. Dynamics of cohesin proteins REC8, STAG3, SMC1 beta and SMC3 are consistent with a role in sister chromatid cohesion during meiosis in human oocytes. *Hum Reprod.* 2010-07-15 [PMID: 20634189]

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Fu G, Ding X, Yuan K et al. Phosphorylation of human Sgo1 by NEK2A is essential for chromosome congression in mitosis. *Cell Res*;17(7):608-18. 2007-07-01 [PMID: 17621308]

More publications at <http://www.novusbio.com/H00151648-M01>





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 H00151648-M01

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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP3-17932PEP	Shugoshin Recombinant Protein Antigen

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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