

Product Datasheet

Synaptotagmin 1 [p Ser309] Antibody - Azide Free NB300-236

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB300-236

Updated 2/21/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB300-236



NB300-236**Synaptotagmin 1 [p Ser309] Antibody - Azide Free**

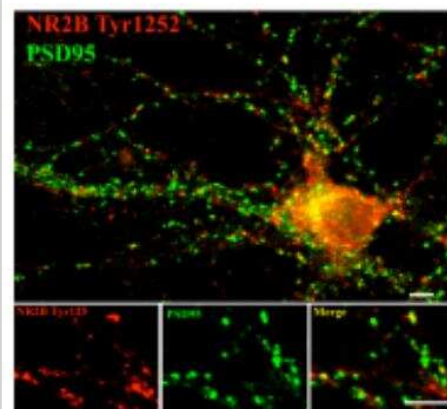
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	60 kDa
Product Description	
Host	Rabbit
Gene ID	6857
Gene Symbol	SYT1
Species	Rat
Specificity/Sensitivity	Specific for endogenous levels of the ~62 kDa synaptotagmin 1 protein phosphorylated at Ser 309. Immunolabeling is completely eliminated by treatment with lambda-phosphatase.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser309 conjugated to KLH. Accession # P21707
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:400, Immunocytochemistry/ Immunofluorescence 1:400

Images

Western Blot: Synaptotagmin 1 [p Ser309] Antibody [NB300-236] - Western blot of rat cortex lysate showing specific immunolabeling of the ~60k - ~62k synaptotagmin phosphorylated at Ser309 (Control). The phosphospecificity of this labeling is shown in the second lane (lambda-phosphatase). The blot is identical to the control except that it was incubated (1200 units for 30 min) before being exposed to the Ser309 synaptotagmin antibody. The immunolabeling is completely eliminated by treatment with lambda-phosphatase.



Immunohistochemistry: Synaptotagmin-1 [p Ser309] Antibody [NB300-236] - Immunostaining of 14 DIV rat cortical neurons showing synaptotagmin when phosphorylated at Ser309 in red and PSD95 in green. Photo courtesy of Gang Liu.



Publications

Lee BH, Min X, Heise CJ, Xu BE, Chen S, Shu H, Luby-Phelps K, Goldsmith EJ, Cobb MH. WNK1 phosphorylates synaptotagmin 2 modulates its membrane binding. *Mol Cell* 15:741-751. 2004-01-01 [PMID: 15350218]

Wang, CT, Lu, JC, Bai, JH, Chang, PY, Martin, TFJ, Chapman, ER Jackson, MB. Different domains of synaptotagmin control the choice between kiss--run full fusion. *Nature (London)* 424 943 - 947. 2003-01-01 [PMID: 12931189]

Fernez-Chacon, R, Konigstorfer, A, Gerber, SH, Garcia, J, Matos, MF, Stevens, CF, Brose, N, Rizo, J, Rosenmund, C Sudhof, TC. Synaptotagmin I functions as a calcium regulator of release probability. *Nature (London)* 410 41 - 49. 2001-01-01 [PMID: 11242035]

Hilfiker, S, Pieribone, VA, Nordstedt, C, Greengard, P, Czernik, AJ. Regulation of synaptotagmin I phosphorylation by multiple protein kinases, *J. Neurochem* 73 921 - 932. 1999-01-01 [PMID: 10461881]



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 NB300-236

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00006857-P01-10ug	Recombinant Human Synaptotagmin 1 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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB300-236

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

