

# Product Datasheet

## Somatostatin Antibody (YC7) - BSA Free NB100-64650

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB100-64650****Somatostatin Antibody (YC7) - BSA Free**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	YC7
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG2b
<b>Purity</b>	Tissue culture supernatant
<b>Buffer</b>	Tissue culture supernatant
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rat Somatostatin Antibody (YC7) - BSA Free (NB100-64650) is a monoclonal antibody validated for use in IHC. Anti-Somatostatin Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rat
<b>Gene ID</b>	6750
<b>Gene Symbol</b>	SST
<b>Species</b>	Human
<b>Reactivity Notes</b>	Predicted cross-reactivities: Porcine, Mouse, Guinea Pig, Rat, Zebrafish
<b>Specificity/Sensitivity</b>	NB100-64650 is specific for somatostatin. A hormone involved in endocrine system regulation through interactions with pituitary growth hormone, thyroid stimulating hormone, and a number of hormones of the gastrointestinal tract. Somatostatin has active 14 amino acid and 28 amino acid forms, produced by alternate cleavage of the gene product. This antibody does not cross react with enkephalins, other endorphins, substance P, or CGRP. It partially cross reacts with somatostatin fragments. The epitope recognized by this antibody lies within the 1-14 amino acid sequence of cyclic somatostatin.
<b>Immunogen</b>	Somatostatin conjugated to thyroglobulin
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500

**Publications**

Apaolaza PS, Chen YC, Grewal K et al. Quantitative analysis of islet prohormone convertase 1/3 expression in human pancreas donors with diabetes. *Diabetologia* 2024-10-15 [PMID: 39404844]

Milstead R, Link C, Xu Z, Hoeffler C Molecular Signaling and Neural Cell Type Expression of Complex Brain Disorders Thesis 1905-07-13 (IHC-FrFI, Mouse)

Milstead R, Link C, Xu Z, Hoeffler C Molecular Signaling and Neural Cell Type Expression of Complex Brain Disorders Thesis Jul 13 1905 12:00AM (IHC-FrFI, Mouse)

Martinez-Losa M, Tracy TE, Ma K et al. Nav1.1-Overexpressing Interneuron Transplants Restore Brain Rhythms and Cognition in a Mouse Model of Alzheimer's Disease. *Neuron*. 2018-03-15 [PMID: 29551491] (Mouse)

Rodriguez-Martinez D, Martinez-Losa MM, Alvarez-Dolado M. Cryopreservation of GABAergic Neuronal Precursors for Cell-Based Therapy PLoS ONE 2017-01-25 [PMID: 28122047] (IF/IHC, Mouse)





### **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 NB100-64650**

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HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
DDXCR03	Rat IgG2b Isotype Control
H00006750-Q01-10ug	Recombinant Human Somatostatin GST (N-Term) Protein

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### **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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