

# Product Datasheet

## Somatostatin Antibody (YC7)

### 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)**

<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>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, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<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)





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### **Products Related to NB100-64650**

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HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
F0105B	Goat anti-Rat IgG Secondary Antibody [Phycoerythrin]
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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