

# Product Datasheet

## Synaptotagmin 3 Antibody (ASV48) - BSA Free NBP1-19320

Unit Size: 0.05 mg

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

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### Publications: 7

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**NBP1-19320**

Synaptotagmin 3 Antibody (ASV48) - BSA Free

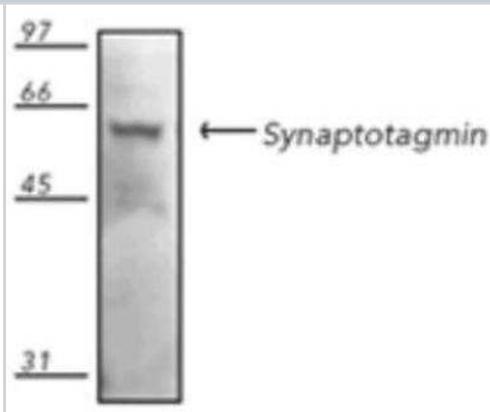
Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	ASV48
Preservative	0.09% Sodium Azide
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS (pH 7.2) and 50% Glycerol

Product Description	
Host	Mouse
Gene ID	84258
Gene Symbol	SYT3
Species	Mouse, Rat, Fish, Primate
Reactivity Notes	Recognizes Shark and Monkey. Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Immunogen	Rat brain synaptic junction protein complexes

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 0.1 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Detects a band of ~65kDa by Western blot.

**Images**

Western Blot: Synaptotagmin Antibody (ASV48) [NBP1-19320] - Analysis of rat brain tissue extract.



## Publications

Amaury François, Sarah A. Low, Elizabeth I. Sypek, Amelia J. Christensen, Chaudy Sotoudeh, Kevin T. Beier et al. A Brainstem-Spinal Cord Inhibitory Circuit for Mechanical Pain Modulation by GABA and Enkephalins Neuron 2017-02-22 [PMID: 28162807]

Lu H, Chen S, Nie Q et al. Synaptotagmin -3 Interacts with GluA2 Mediates Brain Damage and Functional Recovery in Stroke SSRN Electronic Journal 2022-03-24 [PMID: 36892998]

Fukuda M, Kanno E, Ogata Y et al. Nerve growth factor-dependent sorting of synaptotagmin IV protein to mature dense-core vesicles that undergo calcium-dependent exocytosis in PC12 cells. J Biol Chem. 2003-01-01 [PMID: 12446703]

Fukuda M, Kowalchuk JA, Zhang X et al. Synaptotagmin IX regulates Ca<sup>2+</sup>-dependent secretion in PC12 cells. J Biol Chem. 2002-02-01 [PMID: 11751925]

Ibata K, Fukuda M, Hamada T et al. Synaptotagmin IV is present at the Golgi and distal parts of neurites. J Neurochem. 2000-02-01 [PMID: 10646502]

Koontz MA, Hendrickson AE. Comparison of immunolocalization patterns for the synaptic vesicle proteins p65 and synapsin I in macaque monkey retina. Synapse. 1993-08-01 [PMID: 8248851]

Matthew WD, Tsavaler L, Reichardt LF et al. Identification of a synaptic vesicle-specific membrane protein with a wide distribution in neuronal and neurosecretory tissue. J Cell Biol. 1981-10-01 [PMID: 7298720]





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### **Products Related to NBP1-19320**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP2-51650-0.1mg	Recombinant Human Synaptotagmin 3 His 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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