



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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Conveniently Delivering You Today's Innovations  
for the Science of Tomorrow™

**Anti-Human VAMP/Synaptobrevin  
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
<b>CL2703AP</b>	Purified	200 µg	1.0 mg/ml	CLCMGM00

Isotype: Mouse IgM

**DESCRIPTION:**

Synaptobrevins are highly conserved small integral membrane proteins that are part of the vesicle-associated membrane protein (VAMP) family. They are present in abundance on synaptic vesicles and peptidergic secretory granules, as well as on secretory granules of endocrine cells. Synaptobrevins, along with syntaxins and SNAP25 are all proteins involved in the formation of SNARE complexes. These SNARE complexes play a major role in both the docking and fusion of synaptic vesicles with the presynaptic membrane.

**PRESENTATION:**

**Purified** IgG buffered in PBS and 0.02% NaN<sub>3</sub>. (Purified from ascitic fluid via Affinity Chromatography). For maximum recovery of contents, spin down tube before use.

**STORAGE/STABILITY:**

Store at 4°C. For long term storage, aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

**APPLICATIONS:**

This antibody is suitable for use in Western Blot, ELISA, Immunoprecipitation.  
Recommended working dilution in ELISA: **1:32000**

**SPECIFICATIONS:**

Clone: SP10

Hybridoma Production:

Immunization: Mouse monoclonal antibodies raised against synaptic preparation of post mortem human brain.

*Continued Overleaf...*

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Specificity: This antibody is specific for human Synaptobrevin 1 (aa 1-118) and Synaptobrevin 2 (aa 33-96). [also reacts with Pig]

**Appropriate control samples should always be included in any labeling studies.**

**\* For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

**REFERENCES:**

1. Honer, WG et al. Cingulate **cortex synaptic terminal proteins and neural cell adhesion molecule in schizophrenia**. Neuroscience. 78(1), 99-110, 1997.
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4. Ungermann, C. and Langosch, D. **Functions of SNAREs in intracellular membrane fusion and lipid bilayer mixing**. J. Cell Science. 118, 3819-3828, 2005.
5. Valtorta, F et al. **Synaptophysin: leading actor or walk-on role in synaptic vesicle exocytosis?** Bioessays. 26(4), 445-53, 2004.
6. Young, CE et al. **SNAP-25 Deficit and Hippocampal Connectivity in Schizophrenia**. Cereb Cortex. 8(3), 261-8, 1998.

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