**Synaptobrevin 2**

**Cat.No. 104 202; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)**

### Data Sheet

<table>
<thead>
<tr>
<th>Reconstitution/Storage</th>
<th>200 µl antiserum, lyophilized. For reconstitution add 200 µl H₂O, then aliquot and store at -20°C until use.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>Reacts with: human (P63027), rat (P63045), mouse (P63044), hamster. No signal: chicken, zebrasfish. Other species not tested yet.</td>
</tr>
<tr>
<td>Specificity</td>
<td>Specific for VAMP 2, no cross reactivity to VAMP 1 and VAMP 3.</td>
</tr>
<tr>
<td>matching control</td>
<td>104-2P</td>
</tr>
<tr>
<td>Remarks</td>
<td>This antibody recognizes the Botulinumtoxin B cleavage product (aa 1 - 76) with reduced affinity. The sensitivity is sufficient for the detection of cleaved recombinant protein. For analysis of toxin treated tissue homogenates cat. no. 104 203 is recommended.</td>
</tr>
</tbody>
</table>

**Selected References SYSY Antibodies**


Rudolf-Wissell-Str. 28 37079 Göttingen, Germany

Phone: +49 551-55556-0 Fax: +49 551-55556-384 E-mail: sales@sysy.com Web: www.sysy.com

Selected References SYSY Antibodies


Sherry DM, Wang MM, Frishman LJ

Molecular vision (2003) 9: 673-88. WB, IHC

Synaptophysin 1 CLEARS SYNAPTOBREVIN 2 FROM THE PRESYNAPTIC ACTIVE ZONE TO PREVENT SHORT-TERM DEPRESSION.

Rajapakse R, Gauthier-Kemper A, Böning D, Hüve J, Klingauf J


Dopamine Secretion Is Mediated by Sparse Active Zone-like Release Sites.

Liu C, Kernberg L, Wang J, Schneebberger S, Kaeser PS


Distribution of SNAP25, VAMP1 and VAMP2 in mature and developing deep cerebellar nuclei after estrogen administration.

Manca P, Mameli O, Caria MA, Torrejón-Éscirbano B, Blasi J

Neuroscience (2014) 266: 102-15. IHC, WB

Synaptic-dependent reserve pool of synaptic vesicles supports replenishment of the readily releasable pool under intense synaptic transmission.

Vasileva M, Horstmann H, Geumman C, Giller D, Kuner T


A novel flat-embedding method to prepare ultrathin cryosections from cultured cells in their in situ orientation.

Oooschott V, de Wi H, Annaert W, Klumperman J


Newly produced synaptic vesicle proteins are preferentially used in synaptic transmission.


The EMBO journal (2018) : ICC; tested species: rat

α2δ-6 is required for the molecular and structural organization of rod and cone photoreceptor synapses.


Adult-born neurons facilitate olfactory bulb pattern separation during task engagement.

Li WL, Chu MW, Wu A, Suzuki Y, Imayoshi I, Komiyama T

eLife (2018) : IHC; tested species: mouse

C-terminal calcium binding of α-synuclein modulates vesicle synaptic interaction.


Syntaxins on granules promote docking of granules via interactions with munc18.

Berrios-Cova M


The Klotho→Tönz syndrome associated gene Rodg encodes a novel presynaptic protein.

Riemann D, Wallrafen R, Dresbach T

Scientific reports (2017) 7(1): 15791. ICC; tested species: rat

BIAIPS1, a C2 domain-containing Munc13 protein, controls the fate of dense-core vesicles in neuroendocrine cells.

Zhang X, Jiang S, Mitake KA, Li L, Aitie AD, Martin TFJ


A novel method for culturing stellate astrocytes reveals spatially distinct Ca2+ signaling and vesicle recycling in astrocytic processes.

Wolfe AC, Ahmed S, Awasthi A, Stahberg MB, Rajput A, Magruder DS, Bonn S, Dean C


Identification of Serotonergic Neuronal Modules that Affect Aggressive Behavior. A novel flat-embedding method to prepare ultrathin cryosections from cultured cells in their in situ orientation.


Adult-born neurons facilitate olfactory bulb pattern separation during task engagement.

Li WL, Chu MW, Wu A, Suzuki Y, Imayoshi I, Komiyama T

eLife (2018) : IHC; tested species: mouse

C-terminal calcium binding of α-synuclein modulates vesicle synaptic interaction.


Syntaxins on granules promote docking of granules via interactions with munc18.

Berrios-Cova M


The Klotho→Tönz syndrome associated gene Rodg encodes a novel presynaptic protein.

Riemann D, Wallrafen R, Dresbach T

Scientific reports (2017) 7(1): 15791. ICC; tested species: rat

BIAIPS1, a C2 domain-containing Munc13 protein, controls the fate of dense-core vesicles in neuroendocrine cells.

Zhang X, Jiang S, Mitake KA, Li L, Aitie AD, Martin TFJ


A novel method for culturing stellate astrocytes reveals spatially distinct Ca2+ signaling and vesicle recycling in astrocytic processes.

Wolfe AC, Ahmed S, Awasthi A, Stahberg MB, Rajput A, Magruder DS, Bonn S, Dean C


Identification of Serotonergic Neuronal Modules that Affect Aggressive Behavior.