Synaptobrevin 2

Cat.No. 104 211; Monoclonal mouse antibody, 50 µg purified IgG (lyophilized)

Data Sheet

Reconstitution/Storage
50 µg purified IgG, lyophilized. For reconstitution add 50 µl H2O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.

Applications
WB: 1 : 10000 up to 1 : 100000 (AP staining)
IP: yes (see remarks)
ICC: 1 : 1000
IHC: 1 : 500 up to 1 : 1000
IHC-P/FFPE: 1 : 500
EM: yes
ELISA: yes (see remarks)

Clone
69.1

Subtype
IgG1 (κ light chain)

Immunogen
Synthetic peptide corresponding to AA 2 to 17 from rat Synaptobrevin2 (UniProt Id: P63045)

Epitop
Epitop: AA 2 to 17 from rat Synaptobrevin2 (UniProt Id: P63045)

Reactivity
Reacts with: human (P63027), rat (P63045), mouse (P63044), hamster. No signal: chicken, zebrafish. Other species not tested yet.

Specificity
Specific for VAMP 2. No cross-reactivity to VAMP 1 and VAMP 3. (K.O. verified)

matching control
104-2P

Remarks
IP: This antibody quantitatively precipitates synaptobrevin 2 from detergent extracts regardless of whether the protein is associated.

ELISA: Suitable as capture antibody for sandwich-ELISA with cat. no. 104 102 or 104 203 as detector antibodies (protocol for sandwich-ELISA).

Selected References SYSY Antibodies

Selected SNARE proteins are essential for the polarized membrane insertion of igf-1 receptor and the regulation of initial axonal outgrowth in neurons.

Grassi D, Plonka FB, Oksdath M, Guil AN, Sosa LJ, Quiroga S


Selected SNARE proteins are essential for the polarization of surface IgF-1R in neurons. They may also be a common element of the exocytic machinery of all SNARE proteins. This is a likely reason for the present demonstration of IgF-1R SNARE involvement in axonal growth and an extension of the new finding that the IgF-1R uses the SNARE complex for axonal outgrowth in response to changes in the SNARE complex.