Synaptic Systems

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Synaptotagmin 11

Cat.No. 270-0P; control protein, 100 µg protein (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg protein, lyophilized. For reconstitution add 100 µl H_2O to get a 1mg/ml solution in TBS. Then aliquot and store at -20°C until use.
Immunogen	Recombinant protein corresponding to AA 70 to 154 from mouse Synaptotagmin11 (UniProt Id: Q9R0N3)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	270 003
Remarks	This control protein consists of the recombinant protein (aa 70-154 of mouse synaptotagmin 11) that has been used for immunization. It has been tested in preadsorption experiments and blocks efficiently and specifically the corresponding signal in Western blots. The amount of protein needed for efficient blocking depends on the titer and on the affinity of the antibody to the antigen.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Up to now at least 17 synaptotagmins have been identified. **Synaptotagmin 11**, a close relative of synaptotagmin 4, is mainly expressed in the brain. It is composed of a vesicular, a transmembrane and two C2 domains. Only the C2B domain is able to bind calcium. In the C2A domain one of the calcium binding aspartates has been substituted for serine leading to a loss of its binding capabilities. Synaptotagmin 11 has been shown to localize mainly to excitatory and inhibitory presynaptic terminals.

Selected General References

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