Synaptic Systems

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Clathrin light chain

Cat.No. 113-0P; control peptide, 100 µg peptide (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg peptide, lyophilized. For reconstitution add 100 µl H_2O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use. Control peptides should also be stored at -20°C when still lyophilized!
Immunogen	Synthetic peptide corresponding to AA 156 to 173 from rat Clathrin light chainB (UniProt Id: P08082)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	113 004
Remarks	This control peptide consists of the synthetic peptide (IADKAFYQQPDADTIGYV) 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 peptide 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

Clathrin consists of heavy chains and light chains that co-assemble to triskelions. The light chains are differentially spliced, with neurons expressing a special variant that is not detectable elsewhere. The neuron-specific light chains are enriched in synaptic nerve terminals where they participate in synaptic vesicle endocytosis.

Selected General References

Synaptic vesicle endocytosis.
Cremona O, De Camilli P
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Takei K, McPherson PS, Schmid SL, De Camilli P
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Synaptic vesicles and exocytosis.
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Clathrin-coated vesicles in nervous tissue are involved primarily in synaptic vesicle recycling.
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