

Synaptopodin

Cat.No. 163-0P; control protein, 100 µg protein (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg protein, lyophilized. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in TBS. Then aliquot and store at -20°C until use.
Immunogen	Recombinant protein corresponding to AA 331 to 452 from mouse Synaptopodin (UniProt Id: Q9Z327-2)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	163 002, 163 004
Remarks	This control protein consists of the recombinant protein (aa 331 - 452) 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

Synaptopodin is the founding member of a new class of proline-rich actin-associated proteins. Up to now three splice variants of synaptopodin have been identified. In neurons and podocytes the protein is expressed in a differentiation dependent manner. Synaptopodin deficient mice lack the dendritic spine apparatus and exhibit impaired activity-dependent long-term synaptic plasticity.

Selected General References

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