



Product Information Sheet

Monoclonal Anti-Synaptophysin (Sepharose Bead Conjugate)

Catalogue No. MA1091-S

Immunogen

Rat retina synaptosome.

Lot No. 08A12

Purification

Clone: Syn-58

Purified by the goat anti-mouse IgG affinity chromatography.

Ig type: mouse IgG1

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Size: 200µl

Storage

Store at 4°C for frequent use.

Specificity

Rat

No cross reactivity with other proteins.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

Recommended application

Immunoprecipitation(IP)

BACKGROUND

Synaptophysin (SYP) is an integral membrane protein of small synaptic vesicles in brain and endocrine cells. Ozcelik et al. (1990) concluded that the gene has 7 exons distributed over about 20 kb. SYP mapped the SYP locus to Xp11.23-p11.22. Regionalization of the gene on the X chromosome was also done with hamster/human hybrid cells in which various portions of the human X chromosome were present.

REFERENCE

- 1 McMahon, H. T.; Bolshakov, V. Y.; Janz, R.; Hammer, R. E.; Siegelbaum, S. A.; Sudhof, T. C. : Synaptophysin, a major synaptic vesicle protein, is not essential for neurotransmitter release. Proc. Nat. Acad. Sci. 93: 4760-4764, 1996.
- 2 Cremin, S. M.; Greer, W. L.; Bodok-Nutzati, R.; Schwartz, M.; Peacocke, M.; Siminovitch, K. A. : Linkage of Wiskott-Aldrich syndrome with three marker loci, DXS426, SYP and TFE3, which map to the Xp11.3-p11.22 region. Hum. Genet. 92: 250-253, 1993.
- 3 Ozcelik, T.; Lafreniere, R. G.; Archer, B. T., III; Johnston, P. A.; Willard, H. F.; Francke, U.; Sudhof, T. C. : Synaptophysin: structure of the human gene and assignment to the X chromosome in man and mouse. Am. J. Hum. Genet. 47: 551-561, 1990.

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Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com