



Product Information Sheet

Monoclonal Anti-MAP2 (Sepharose Bead Conjugate)

Catalogue No. MA1057-S

Immunogen

Rat brain microtubule-associated proteins (MAPs)

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: MP-2

Ig type: mouse IgG1

Formulation

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

Size: 200µl

Specificity

Human, rat, mouse.

No cross reactivity with other proteins.

Storage

Store at 4°C for frequent use.

Recommended application

Immunoprecipitation(IP)

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

BACKGROUND

MAP2, a 280-kD protein, is highly concentrated in neuronal somata and dendrites. Microtubule-associated protein 2 (MAP2) is a neurosteroid receptor. MAP2 gene contains 19 exons, and located in segment 2q34-q35. The transgenic MAP2c was present in dendrites but not in axons but transgenic MAP2c messenger RNA was limited to cell bodies.

REFERENCE

1 Fontaine-Lenoir, V.; Chambraud, B.; Fellous, A.; David, S.; Duchossoy, Y.; Baulieu, E.-E.; Robel, P. : Microtubule-associated protein 2 (MAP2) is a neurosteroid receptor. Proc. Nat. Acad. Sci. 103: 4711-4716, 2006. 2 Neve, R. L.; Harris, P.; Kosik, K. S.; Kurnit, D. M.; Donlon, T. A. : Identification of cDNA clones for the human microtubule-associated protein tau and chromosomal localization of the genes for tau and microtubule-associated protein 2. Molec. Brain Res. 1: 271-280, 1986. 3 Kalcheva, N.; Albala, J.; O'Guin, K.; Rubino, H.; Garner, C.; Shafit-Zagardo, B. : Genomic structure of human microtubule-associated protein 2 (MAP-2) and characterization of additional MAP-2 isoforms. Proc. Nat. Acad. Sci. 92: 10894-10898, 1995.

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