Product Informatiion Sheet

Monoclonal Anti-MAP1 (Sepharose Bead Conjugate)

Catalogue No. MA1056-S

Lot No. 08A12

Clone: MP-1

Ig type: mouse IgG1

Size: 200µl

Specificity

Rat.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

Rat brain microtubule-associated proteins (MAPs)

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN_3a_3 preservative.

Storage

Store at 4˚C for frequent use.

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

Microtubules are the ubiquitous cytoskeletal structural components that are involved in intracellular transport. They are composed of tubulin and microtubule-associated proteins(MAPs). MAP1 is one of the major neuronal MAPs as well as being the largest(350KD). MAPs include MAP1A, MAP1B , and MAP2. MAP1a is a single-copy gene spanning 10.5 kb. MAP1a coding sequence is contained in five exons. MAP1B is encoded as a polyprotein that is processed to form a complex N-terminal microtubule-binding domain.

REFERENCE

1. Fink, J. K.; Jones, S. M.; Esposito, C.; Wilkowski, J. : Human microtubule-associated protein 1a (MAP1A) gene: genomic organization, cDNA sequence, and developmental-and tissue-specific expression. Genomics 35: 577-585, 1996. 2. Ammarback, J. A.; Obar, R. A.; Hughes, S. M.; Vallee, R. B. : MAP1B is encoded as a polyprotein that is processed to form a complex N-terminal microtubule-binding domain. Neuron 7: 129-139, 1991.