Product Informatiion Sheet

Monoclonal Anti- Protein phosphatase1α, **PP1αv (Sepharose Bead Conjugate)**

Catalogue No. MA1086-S

Lot No. 08A12

Clone: PP-1A

Ig type: mouse IgG2b

Size: 200µl

Specificity

Human, mouse, rat, rabbit.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

Recombinant rabbit protein phosphatase 1α (PP1α) catalytic subunit

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN3a3 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

Protein phosphatase 1 alpha(PP1A)is one of four major serine/threonine-specific protein phosphatases which have been identified in eukaryotic cells by enzymatic methods. Phosphorylation of serine and threonine residues in proteins is a crucial step in the regulation of many cellular functions ranging from hormonal regulation to cell division and even short-term memory. Protein phosphatase-1 determined the efficacy of learning and memory by limiting acquisition and favoring memory decline. PPP1A gene is mapped to 11q13. Protein phosphatase 1 is a molecular constraint on learning and memory

REFERENCE

1. Barker, H. M.; Jones, T. A.; da Cruz e Silva, E. F.; Spurr, N. K.; Sheer, D.; Cohen, P. T. W. : Localization of the gene encoding a type I protein phosphatase catalytic subunit to human chromosome band 11q13. *Genomics* 7: 159-166, 1990. 2 Genoux, D.; Haditsch, U.; Knobloch, M.; Michalon, A.; Storm, D.; Mansuy, I. M. : Protein phosphatase 1 is a molecular constraint on learning and memory. *Nature* 418: 970-975, 2002.

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