



Product Information Sheet

Monoclonal Anti-γ-Adaptin - conjugated to Magnetic Beads

Catalogue No. MA1113-S

Immunogen

AP-1 adaptor from bovine brain.

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: IMD-113

Ig type: mouse IgG2b

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃a₃ preservative.

Size: 200μl

Storage

Store at 4°C for frequent use.

Specificity

Human, 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

Adaptins are important components of heterotetrameric adaptor complexes (APs) whose role is to promote the formation of clathrin-coated pits and vesicles. The AP-1 adaptor, localized at the trans-Golgi network, is composed of 2 approximately 100-kD subunits, beta-prime-adaptin and gamma-adaptin. The predicted 825-amino acid protein shares 99% identity with mouse gamma-adaptin. Northern blot analysis revealed that gamma-adaptin was expressed as a 7.5-kb transcript in all human tissues tested. Human gamma-adaptin gene (ADTG) is assigned to 16q23.

REFERENCE

Peyrard, M.; Parveneh, S.; Lagercrantz, S.; Ekman, M.; Fransson, I.; Sahlen, S.; Dumanski, J. P. : Cloning, expression pattern, and chromosomal assignment to 16q23 of the human gamma-adaptin gene (ADTG). *Genomics* 50: 275-280, 1998.

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