



Product Information Sheet

Monoclonal Anti- α -Adaptin (Magnetic Bead conjugate)

Catalogue No. MA1105-M

Immunogen

AP-2 adaptor polypeptides from bovine brain.

Lot No. 08A12

Purification

Clone: Ada-1

Purified by the goat anti-mouse IgG affinity chromatography.

Ig type: mouse IgG2a

Formulation

Size: 200 μ l

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Specificity

Human, rat.

No cross reactivity with other proteins.

Storage

Store at 4°C for frequent use.

Recommended application

Immunoprecipitation(IP)

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

BACKGROUND

Alpha Adaptin, also known as adaptor related protein complex, alpha 1 subunit. The alpha adaptins are exclusively found in the endocytic coated vesicles. Huntingtin-interacting protein 1 (HIP1) is enriched in membrane-containing cell fractions and has been implicated in vesicle trafficking. . Waelter et al. (2001) identified 3 HIP1-associated proteins, clathrin heavy chain (CLTC) and alpha-adaptin A and C. Coat proteins of approximately 100-kD (adaptins) are components of the adaptor complexes which link clathrin to receptors in coated vesicles. The alpha-adaptins separate into two bands on SDS gels.

REFERENCE

1. Robinson, M. S. : Cloning of cDNAs encoding two related 100-kD coated vesicle proteins (alpha-adaptins). J. Cell Biol. 108: 833-42, 1989.
2. Waelter, S.; Scherzinger, E.; Hasenbank, R.; Nordhoff, E.; Lurz, R.; Goehler, H.; Gauss, C.; Sathasivam, K.; Bates, G. P.; Lehrach, H.; Wanker, E. E. : The huntingtin interacting protein HIP1 is a clathrin and alpha-adaptin-binding protein involved in receptor-mediated endocytosis. Hum. Molec. Genet. 10: 1807-1817, 2001.

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