Product Information Sheet

# Monoclonal Anti-α-Adaptin

**Catalogue No.** MA1105

**Lot No.** 08A12

**Clone:** Ada-1

**Ig type:** mouse IgG2a

**Size:** 100µg/vial

**Specificity**

Human, rat.

No cross reactivity with other proteins.

**Recommended application**

*Western blot*

**To reorder contact us at:**

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**Immunogen**

AP-2 adaptor polypeptides from bovine brain.

**Purification**

Purified by the goat anti-mouse IgG affinity chromatography.

**Application**

*Western blot*

At 2-4µg/ml with the appropriate system to detect α-adaptin in cells and tissues.

*Other applications have not been tested.*

*Optimal dilutions should be determined by end user.*

**Formulation**

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg $NaN_3$ as preservative.

**Reconstitution**

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

**Storage**

At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

## 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.