



Product Information Sheet

Polyclonal Anti- Histone deacetylase 1, *HDAC1* (Magnetic Bead Conjugate)

Catalogue No. PA1349-M

Lot No. 01310120449124

Ig type rabbit IgG

Size 100µg/vial

Specificity

Human, rat, mouse.

No cross reactivity with other proteins.

Recommended application

ImmunoPrecipitation (IP)

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminal of human HDAC1 (1-14 aa), identical to the related mouse and rat sequence.

Purity

Immunogen affinity purified.

Contents

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

Storage

Store at 4°C for frequent use.

Description

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

BACKGROUND

Histone deacetylase 1 is an enzyme that in humans is encoded by the *HDAC1* gene. Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. Furukawa et al. (1996) mapped RPD3L1 to 1p34.1 by fluorescence in situ hybridization.

REFERENCE

1. Taunton J, Hassig CA, Schreiber SL (May 1996). "A mammalian histone deacetylase related to the yeast transcriptional regulator Rpd3p".