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

Catalogue No. PA1349-S

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.

Purification

Immunogen affinity purified.

Formulation

50% slurry in PBS pH 7.2
with 0.01mg NaN_3a_3 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

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".

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