CREATIVE BIOMART®
Assay Kit

HDAC2 Immunoprecipitation (IP) & Activity Assay Kit

Product Information

Cat

Kit-2284

Cat.No. Kit-2284

Product Overview

Histone deacetylases (HDACs) play a central role in controlling cell cycle regulation, cell differentiation, and tissue development. Theseproteins have crucial roles in development and physiology, especially in the heart and nervous system. It is also deeply involved in cellular proliferation, cell cycle and apoptosis. The HDAC2 IP & Activity Assay Kit provides an antibody-based method to specifically immunoprecipitate the HDAC2 complex from cells & tissues and to measure HDAC2 activity fluorometrically. HDAC2 is immunoprecipitated from cell or nuclear extract(s) using HDAC2 antibody followed by capturing the complex on protein-A/G beads. The immunoprecipitated complex is incubated with the HDAC substrate. Only the deacetylated substrate is cleaved by the Developer to produce a fluorophore, which can be easily analyzed using a fluorescence plate reader.

Applications

Immunoprecipitation of HDAC2 complex from cell, nuclear, or tissue extract(s)
Measurement of HDAC2 activity of immunoprecipitated complex/purified enzyme
Screening for activators or inhibitors of HDAC2

Storage

-20°C

Shipping

Gel Pack

Size

25 assays

Kit Components

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

CREATIVE BIOMART®
Assay Kit

HDAC2 Immunoprecipitation (IP) & Activity Assay Kit

HDAC Assay Buffer; Cell Lysis Buffer; HDAC Substrate; Developer; AFC (7-amino-4-trifluoromethyl coumarin) Standard (1 mM); Rabbit HDAC2 Antibody (0.2 mg/ml); Rabbit IgG (Control Antibody) (0.5 mg/ml); Protein A/G Sepharose Beads; Positive Control (Jurkat Cell Lysate) (125 μg)

Detection method Fluorescence (Ex/Em=380/500 nm)

Features & Benefits

Simple, fast and convenient.
Only kit on the market for both IP as well as measuring activity of HDAC2

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA