CREATIVE BIOMART®
Assay Kit

Histone H4 Total Acetylation Detection Fast Kit (Fluorometric)

Product Information

Cat.No. Kit-0460

Product Overview

Acetylation of histones such histone H4 has been involved in the regulation of chromatin structure and the recruitment of transcription factors to gene promoters. HATs (histone acetyltransferases) and HDACs (histone deacetylases) play a critical role in controlling histone H4 actylation. Reversible acetylation of nucleosomal histone H4 is believed to correlate with potential transcriptional activity of eukaryotic chromatin domains. The reversible lysine acetylation of histone H4 may play a vital role in the regulation of many cellular processes including chromatin dynamics and transcription, gene silencing, cell cycle progression, apoptosis, differentiation, DNA replication and repair, nuclear import and neuronal repression. The kit enables the user to fluorometrically detect and quantify if histone H4 is acetylated. The kit is ready-to-use and provides all the essential components needed to carry out a successful assay experiment. The kit is suitable for specifically measuring total histone H4 acetylation using a variety of mammalian cells including fresh and frozen tissues, and cultured adherent and suspension cells.

Size

48 tests

Applications

Functional Studies more details

Target Species

Reacts with: Mouse, Human; Predicted to work with: all Mammals

Kit Components

10X Wash Buffer; 8-Well Assay Strips (with Frame); 8-Well Standard Control Strips: Green Ringed; Antibody Buffer; Detection Antibody, 1 mg/mL; Fluoro Developer; Fluoro Dilution; Fluoro Enhancer; Signal enhancer; Signal report solution; Standard Control (100 µg/mL)

Compatible Sample Types

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

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Tissue, Adherent cells, Suspension cells
Assay time
2h 30m
Sensitivity
>0.4 ng/well

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