

CoraLite®555-conjugated HDAC1 Monoclonal antibody

Catalog Number:CL555-66085

Basic Information

Catalog Number:

CL555-66085

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG19128

GenBank Accession Number:

BC000301

GeneID (NCBI):

3065

UNIPROT ID:

Q13547

Full Name:

histone deacetylase 1

Calculated MW:

55 kDa

Observed MW:

65 kDa

Purification Method:

Protein G purification

CloneNo.:

4C4G7

Recommended Dilutions:

IF/ICC 1:4000-1:16000

**Excitation/Emission maxima
wavelengths:**

557 nm / 570nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : A431 cells,

Background Information

Histone deacetylases(HDAC) are a class of enzymes that remove the acetyl groups from the lysine residues leading to the formation of a condensed and transcriptionally silenced chromatin. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex, which is responsible for gene expression silencing. It also plays an important role in the control of cell proliferation and differentiation by interacting with RB, p53 and other transcription factors. At least 4 classes of HDAC were identified. As a class I HDAC, HDAC 1 was primarily found in the nucleus. This antibody is raised against residues near the C terminus of human HDAC1. The calculated molecular weight of HDAC1 is 55 kDa, but modified HDAC1 is about 60-65 kDa .

Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoraLite®555 HDAC1 antibody (CL555-66085, Clone: 4C4G7) at dilution of 1:8000.