

For Research Use Only

# CoraLite® Plus 488-conjugated HDAC1 Recombinant antibody

Catalog Number:CL488-83624



## Basic Information

Catalog Number:

CL488-83624

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0256

GenBank Accession Number:

BC000301

GeneID (NCBI):

3065

UNIPROT ID:

Q13547

Full Name:

histone deacetylase 1

Calculated MW:

55 kDa

Observed MW:

58-66 kDa

Purification Method:

Protein A purification

CloneNo.:

240614A3

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa 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.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 HDAC1 antibody (CL488-83624, Clone: 240614A3) at dilution of 1:200.