

For Research Use Only

# CoraLite® Plus 647-conjugated HDAC2 Monoclonal antibody



Catalog Number:CL647-67165

## Basic Information

Catalog Number:

CL647-67165

Size:

981 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG21288

GenBank Accession Number:

BC031055

GeneID (NCBI):

3066

UNIPROT ID:

Q92769

Full Name:

histone deacetylase 2

Calculated MW:

458 aa, 52 kDa; 488 aa, 55 kDa

Observed MW:

55 kDa

Purification Method:

Protein A purification

CloneNo.:

1A3E4

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima  
wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

Human, mouse

Positive Controls:

IF : HepG2 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. Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). At least 4 classes of HDAC were identified. As a class I HDAC, HDAC2 was primarily found in the nucleus. HDAC2 forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus, it plays an important role in transcriptional regulation, cell cycle progression and developmental events. This antibody is raised against residues near the C terminus of human HDAC2.

## 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:

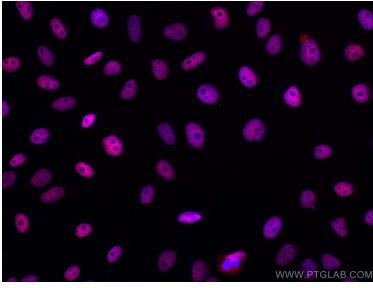
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

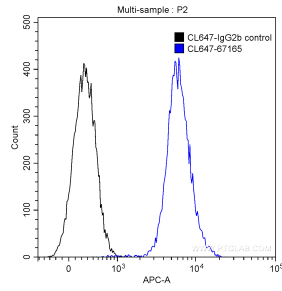
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 647 HDAC2 antibody (CL647-67165, Clone: 1A3E4) at dilution of 1:200.



1X10<sup>6</sup> HepG2 cells were stained with 0.2 ug CoraLite® Plus 647 Anti-Human HDAC2 (CL647-67165, Clone:1A3E4) (blue), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.