For Research Use Only

CoraLite®594-conjugated HDAC2 Monoclonal antibody

Catalog Number:CL594-67165

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL594-67165

Size:
1000 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/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
Human, mouse

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

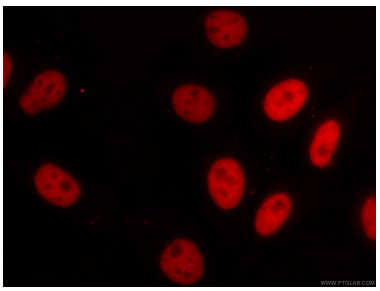
Histone deacetylases(HDAC) are a class of enzymes that remove the acetyl groups from the lysine residues leading to the formation of a condensed and transcriptionally silenced chromatin.Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation 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.
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 W: ptgcn.com

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CL594-67165 (HDAC2 antibody) at dilution of 1:100.