

For Research Use Only

CoraLite®594-conjugated HDAC2 Monoclonal antibody



Catalog Number:CL594-67165

Basic Information

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| Catalog Number: CL594-67165 | GenBank Accession Number: BC031055 | Purification Method: Protein A purification |
| Size: 100UL, Concentration: 2000 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 3066 | CloneNo.: 1A3E4 |
| Source: Mouse | Full Name: histone deacetylase 2 | Recommended Dilutions: IF 1:50-1:500 |
| Isotype: IgG2b | Calculated MW: 458 aa, 52 kDa; 488 aa,55 kDa | Excitation/Emission maxima wavelengths: 593 nm/614 nm |
| Immunogen Catalog Number: AG21288 | Observed MW: 55 kDa | |

Applications

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| Tested Applications: IF, ELISA | Positive Controls: IF : HepG2 cells, |
| Species Specificity: Human, mouse | |

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.

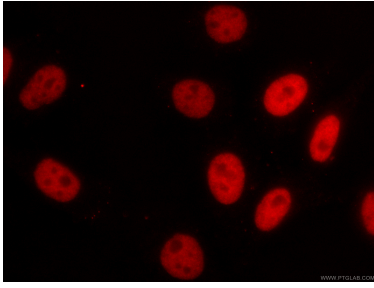
Storage

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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



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