

For Research Use Only

CoraLite®488-conjugated HDAC2 Monoclonal antibody



Catalog Number:CL488-67165

Basic Information

Catalog Number: CL488-67165	GenBank Accession Number: BC031055	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	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: 488 nm/515 nm
Immunogen Catalog Number: AG21288	Observed MW: 55 kDa	

Applications

Tested Applications: FC, IF	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

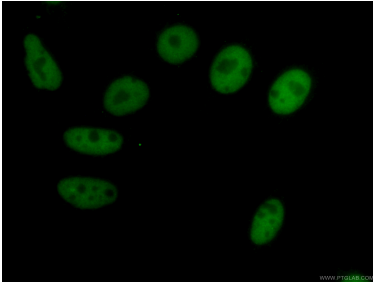
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

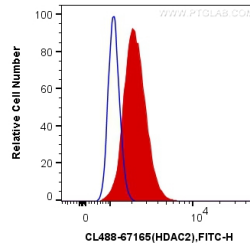
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CL488-67165 (HDAC2 antibody) at dilution of 1:100.



1X10⁶ HepG2 cells were intracellularly stained with 0.2 ug CoraLite®488 Anti-Human HDAC2 (CL488-67165, Clone:1A3E4) (red), or 0.2 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone:K11B8C4B5) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffers.