

For Research Use Only

CoraLite®555-conjugated HDAC2 Polyclonal antibody



Catalog Number:CL555-12922

Featured Product

Basic Information

Catalog Number: CL555-12922	GenBank Accession Number: BC031055	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3066	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: histone deacetylase 2	Excitation/Emission maxima wavelengths: 557 nm / 570nm
Isotype: IgG	Calculated MW: 458 aa, 52 kDa; 488 aa,55 kDa	
Immunogen Catalog Number: AG3607	Observed MW: 55-60 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HepG2 cells,
Species Specificity: human, mouse, rat	

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 a rabbit polyclonal antibody raised against residues near the C terminus of human HDAC2.

Storage

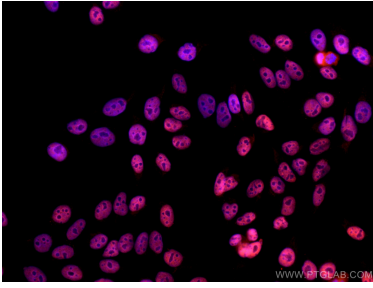
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

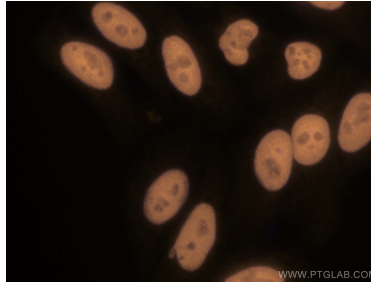
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

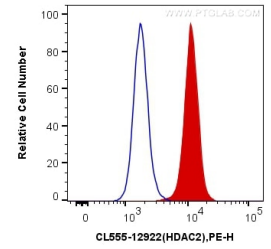
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite@555 HDAC2 antibody (CL555-12922) at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite@555 HDAC2 antibody (CL555-12922) at dilution of 1:200.



1X10⁶ HEK-293T cells were intracellularly stained with 0.4 ug CoraLite@555 Anti-Human HDAC2 (CL555-12922) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).