For Research Use Only

CoraLite®555-conjugated HDAC1 Monoclonal antibody



Catalog Number: CL555-66085

Basic Information

Catalog Number: GenBank Accession Number:

CL555-66085 BC000301 GeneID (NCBI):

100ul , Concentration: 1000 $\mu g/ml$ by 3065 Nanodrop: **UNIPROT ID:** Q13547 Mouse Full Name:

Isotype: histone deacetylase 1 lgG1 Calculated MW:

Immunogen Catalog Number: 55 kDa AG19128

Observed MW:

65 kDa

Purification Method:

Protein G purification

CloneNo.: 4C4G7

Recommended Dilutions: IF/ICC 1:4000-1:16000

Excitation/Emission maxima

wavelengths: 557 nm / 570nm

Applications

Tested Applications:

Positive Controls: IF/ICC: A431 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. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex, which is responsible for gene expression silencing. It also plays an important role in the control of cell proliferation and differentiation by interacting with RB, p53 and other transcription factors. At least 4 classes of HDAC were identified. As a class I HDAC, HDAC 1 was primarily found in the nucleus. This antibody is raised against residues near the C terminus of human HDAC1. The calculated molecular weight of HDAC1 is 55 kDa, but modified HDAC1 is about 60-

Storage

Storage:

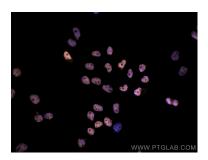
Store at -20°C. Avoid exposure to light.

Storage Buffer

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using Coralite®555 HDAC1 antibody (CL555-66085, Clone: 4C4G7) at dilution of 1:8000.