

For Research Use Only

# CoraLite® Plus 488-conjugated HDDC2 Monoclonal antibody

Catalog Number:CL488-68391



## Basic Information

Catalog Number:

CL488-68391

Size:

100ul , Concentration: 1000 ug/ml by  
Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG33258

GenBank Accession Number:

BC003357

GeneID (NCBI):

51020

UNIPROT ID:

Q7Z4H3

Full Name:

HD domain containing 2

Calculated MW:

23 kDa

Observed MW:

23 kDa

Purification Method:

Protein A purification

CloneNo.:

2E1B2

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, rat

Positive Controls:

IF/ICC : A431 cells,

## Background Information

HDDC2, also named as C6orf74, plays a role in the maintenance of pluripotency in human ES and iPS cells. HDDC2 is a nuclear-encoded but mitochondrially localized protein. It has been reported as associated with oxidative metabolism.

## 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

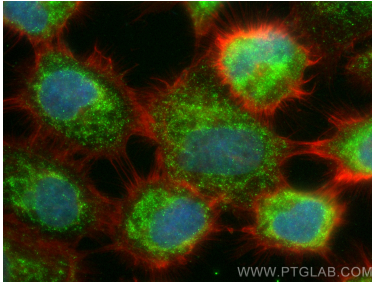
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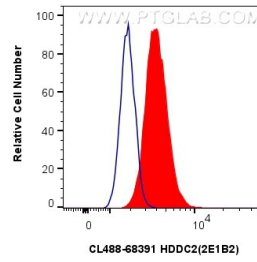
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using Coralite® Plus 488 HDDC2 antibody (CL488-68391, Clone: 2E1B2 ) at dilution of 1:200, CL594-Phalloidin (red).



$1 \times 10^6$  U2OS cells were intracellularly stained with 0.4 ug Coralite® Plus 488-conjugated HDDC2 Monoclonal antibody (CL488-68391, Clone: 2E1B2) (red), or 0.4 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).