

CoraLite®594-conjugated UBE2C Monoclonal antibody

Catalog Number:CL594-66087

Basic Information

Catalog Number:

CL594-66087

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG19235

GenBank Accession Number:

BC016292

GeneID (NCBI):

11065

UNIPROT ID:

O00762

Full Name:

ubiquitin-conjugating enzyme E2C

Calculated MW:

179 aa, 20 kDa

Observed MW:

20 kDa

Purification Method:

Protein G purification

CloneNo.:

1C12H8

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HeLa cells,

Background Information

UBE2C(Ubiquitin-conjugating enzyme E2 C) is also known as UBCH10 and belongs to the ubiquitin-conjugating enzyme family. It is highly expressed in a variety of human primary tumors, and it is able to promote cell proliferation and malignant transformation(PMID:18703417). UBE2C, along with the E3 ligase of the anaphasepromoting complex (APC), catalyzes the ubiquitination of mitotic cyclins A and B, as well as securin. UBE2C is essential for cell cycle progression, and mutation of its active site cysteine confers a dominant-negative phenotype(PMID:17217624).

Storage

Storage:

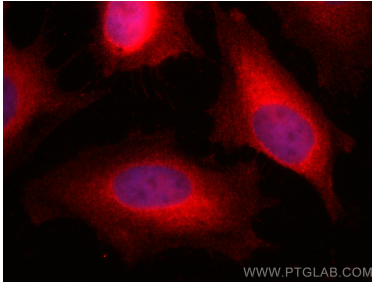
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

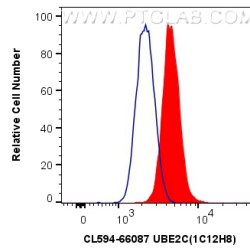
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite®594 UBE2C antibody (CL594-66087, Clone: 1C12H8) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human UBE2C (CL594-66087, Clone:1C12H8) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).