

For Research Use Only

# CoraLite® Plus 488-conjugated UBE2C Monoclonal antibody



Catalog Number:CL488-66087

## Basic Information

<b>Catalog Number:</b> CL488-66087	<b>GenBank Accession Number:</b> BC016292	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 11065	<b>CloneNo.:</b> 1C12H8
<b>Source:</b> Mouse	<b>Full Name:</b> ubiquitin-conjugating enzyme E2C	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 179 aa, 20 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG19235	<b>Observed MW:</b> 20 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : HeLa cells,
<b>Species Specificity:</b> human, mouse, rat	

## 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

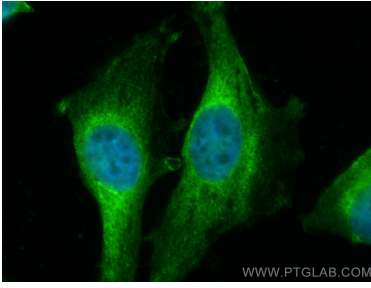
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

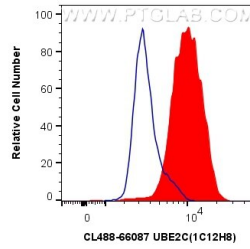
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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 HeLa cells using CoraLite® Plus 488 UBE2C antibody (CL488-66087, Clone: 1C12H8) at dilution of 1:200.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human UBE2C (CL488-66087, Clone:1C12H8) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).