

# CoraLite® Plus 488-conjugated UBE2D1/2/3/4 Monoclonal antibody

Catalog Number: **CL488-68138**

## Basic Information

**Catalog Number:**

CL488-68138

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG2278

**GenBank Accession Number:**

BC003395

**GeneID (NCBI):**

7323

**UNIPROT ID:**

P61077

**Full Name:**ubiquitin-conjugating enzyme E2D 3  
(UBC4/5 homolog, yeast)**Calculated MW:**

17 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1C7D12

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima****wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

Human, Mouse, Rat

**Positive Controls:**

IF/ICC : A431 cells,

## Background Information

Ubiquitination is a post-translational modification pathway or is part of the specific protein-degradation pathway by the 26S proteasome. Ubiquitination of a target protein involves multistep enzymatic reaction catalyzed by a cascade of enzymes including Ub-activating enzymes (E1s), Ub-conjugating enzymes (E2s) and Ub ligases (E3s) (PMID: 23542885). UBE2D family, which has 4 members named as UBE2D1/2/3/4, is an E2 ubiquitin-conjugating enzyme family in the ubiquitin-proteasome system. This antibody can recognize all the four members of UBE2D due to the high homology.

## Storage

**Storage:**

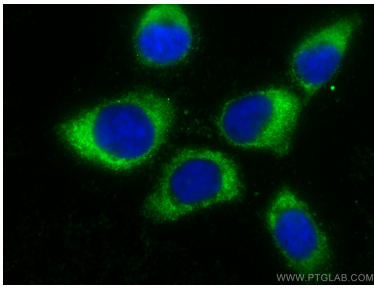
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**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 (-20°C Methanol) fixed A431 cells using CoraLite® Plus 488 UBE2D1/2/3/4 antibody (CL488-68138, Clone: 1C7D12 ) at dilution of 1:200.