

# CoraLite® Plus 488-conjugated PPP1CC Monoclonal antibody

Catalog Number: **CL488-68122**

## Basic Information

Catalog Number:

CL488-68122

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG32348

GenBank Accession Number:

BC014073

GeneID (NCBI):

5501

UNIPROT ID:

P36873

Full Name:

protein phosphatase 1, catalytic  
subunit, gamma isoform

Calculated MW:

35 kDa

Observed MW:

35 kDa

Purification Method:

Protein G purification

CloneNo.:

2G11C3

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 : HeLa cells,

## Background Information

PPP1CC, also named as PP-1G, belongs to the PPP phosphatase family and PP-1 subfamily. Protein phosphatase 1 (PP1) is essential for cell division, and participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. It is involved in regulation of ionic conductances and long-term synaptic plasticity. PPP1CC may play an important role in dephosphorylating substrates such as the postsynaptic density-associated Ca<sup>2+</sup>/calmodulin dependent protein kinase II.

## Storage

Storage:

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

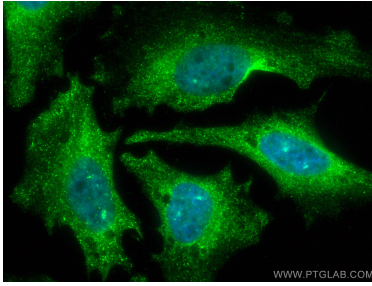
Storage Buffer:

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® Plus 488 PPP1CC antibody (CL488-68122, Clone: 2G11C3 ) at dilution of 1:200.