

# CoraLite® Plus 488-conjugated PEBP1 Monoclonal antibody

Catalog Number: **CL488-66438**

## Basic Information

**Catalog Number:**

CL488-66438

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG0864

**GenBank Accession Number:**

BC008714

**GeneID (NCBI):**

5037

**UNIPROT ID:**

P30086

**Full Name:**

phosphatidylethanolamine binding  
protein 1

**Calculated MW:**

21 kDa

**Observed MW:**

23-27 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

2D4D11

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC, FC (Intra)

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IF/ICC : A549 cells,

## Background Information

Raf kinase inhibitor protein (RKIP), also termed phosphatidylethanolamine binding protein PEBP1, was initially identified as a potent inhibitor of Raf-1/MEK/ERK, NF-κB, and G-protein-coupled receptor signaling pathways. Later RKIP has been further identified as a metastasis suppressor and its loss of expression has been reported in various cancers. Its expression has been proposed as a prognostic marker for patients diagnosed with the above cancers.

## Storage

**Storage:**

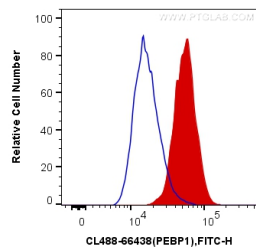
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

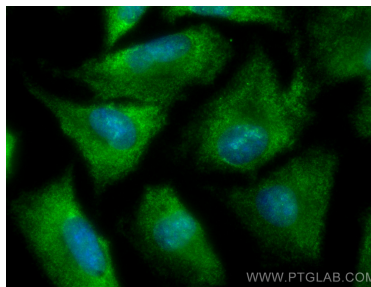
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



$1 \times 10^6$  PC-12 cells were intracellularly stained with 0.4  $\mu$ g CoraLite® Plus 488 Anti-Human PEBP1 (CL488-66438, Clone:2D4D11) (red), or 0.4  $\mu$ g Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using CoraLite® Plus 488 PEBP1 antibody (CL488-66438, Clone: 2D4D11 ) at dilution of 1:200.