

For Research Use Only

# CoraLite® Plus 488-conjugated PCK1 Monoclonal antibody



Catalog Number: CL488-66862

## Basic Information

Catalog Number:

CL488-66862

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG9720

GenBank Accession Number:

BC023978

GeneID (NCBI):

5105

UNIPROT ID:

P35558

Full Name:

phosphoenolpyruvate carboxykinase  
1 (soluble)

Calculated MW:

622 aa, 69 kDa

Observed MW:

65-69 kDa

Purification Method:

Protein G purification

CloneNo.:

2F11B5

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

mouse, rat, pig, human

Positive Controls:

IF : HeLa cells,

## Background Information

PCK1(Phosphoenolpyruvate carboxykinase, cytosolic) is also named as PEPCK1 and belongs to the phosphoenolpyruvate carboxykinase [GTP] family. It catalyzes the formation of phosphoenolpyruvate from oxaloacetate, with the release of carbon dioxide and GDP. It is also a main control point for the regulation of gluconeogenesis. In eukaryotes there are two isozymes: a cytoplasmic one and a mitochondrial one. Defects in PCK1 are the cause of cytosolic phosphoenolpyruvate carboxykinase deficiency (C-PEPCKD).

## 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

For technical support and original validation data for this product please contact:

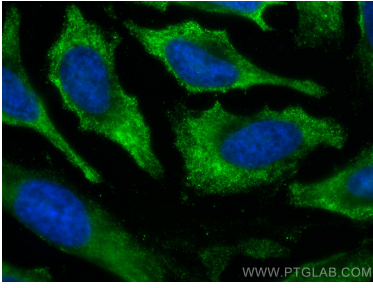
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.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 (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 PCK1 antibody (CL488-66862, Clone: 2F11B5 ) at dilution of 1:200.