

For Research Use Only

# CoraLite® Plus 488-conjugated PCK1/2 Polyclonal antibody

Catalog Number: CL488-16754

Featured Product



## Basic Information

### Catalog Number:

CL488-16754

### Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG10261

### GenBank Accession Number:

BC023978

### GeneID (NCBI):

5105

### UNIPROT ID:

P35558

### Full Name:

phosphoenolpyruvate carboxykinase 1 (soluble)

### Calculated MW:

622 aa, 69 kDa

### Observed MW:

66-69 kDa

### Purification Method:

Antigen affinity purification

### 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 : HepG2 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). This antibody has weak cross-reactivity with PCK2 protein due to high sequence homology between PCK1 and PCK2.

## 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

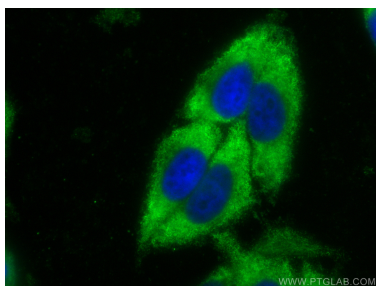
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)  
fixed HepG2 cells using Coralite® Plus 488 PCK1/2  
antibody (CL488-16754) at dilution of 1:200.