

For Research Use Only

CoraLite®555-conjugated PCK1 Monoclonal antibody



Catalog Number:CL555-66862

Basic Information

Catalog Number:

CL555-66862

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/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

557 nm / 570nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

mouse, rat, pig, human

Positive Controls:

IF/ICC : 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:

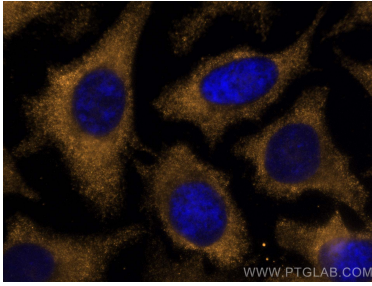
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite®555 PCK1 antibody (CL555-66862, Clone: 2F11B5) at dilution of 1:200.