

For Research Use Only

CoraLite® Plus 488-conjugated PCK1 Monoclonal antibody



Catalog Number:CL488-66862

Basic Information

Catalog Number: CL488-66862	GenBank Accession Number: BC023978	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5105	CloneNo.: 2F11B5
Source: Mouse	Full Name: phosphoenolpyruvate carboxykinase 1 (soluble)	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 622 aa, 69 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG9720	Observed MW: 65-69 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HeLa cells,
Species Specificity: mouse, rat, pig, human	

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

*** 20ul sizes contain 0.1% BSA

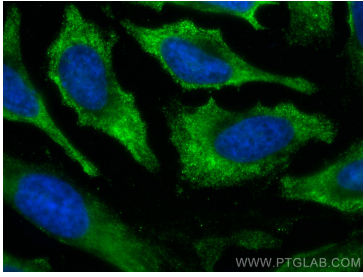
For technical support and original validation data for this product please contact:

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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 Ethanol) fixed HeLa cells using Coralite® Plus 488 PCK1 antibody (CL488-66862, Clone: 2F11B5) at dilution of 1:200.