

For Research Use Only

PCK2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 88027-1-PBS



Basic Information

Catalog Number:

88027-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6681

GenBank Accession Number:

BC001454

GeneID (NCBI):

5106

UNIPROT ID:

Q16822

Full Name:

phosphoenolpyruvate carboxykinase 2 (mitochondrial)

Calculated MW:

71 kDa

Observed MW:

66-71 kDa

Purification Method:

Protein A purification

CloneNo.:

260096E12

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human, rat

Background Information

PCK2(phosphoenolpyruvate carboxykinase [GTP], mitochondrial) is also named as PEPCK2, PEPCK-M and belongs to the phosphoenolpyruvate carboxykinase [GTP] family. It catalyses the irreversible conversion of oxaloacetate to phosphoenolpyruvate, an important initial step in hepatic gluconeogenesis. Defects in PCK2 are the cause of mitochondrial phosphoenolpyruvate carboxykinase deficiency (M-PEPCKD). It has 2 isoforms produced by alternative splicing with the molecular weight of 71 kDa and 48 kDa. This antibody specifically recognizes PCK2.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

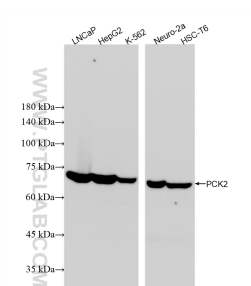
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

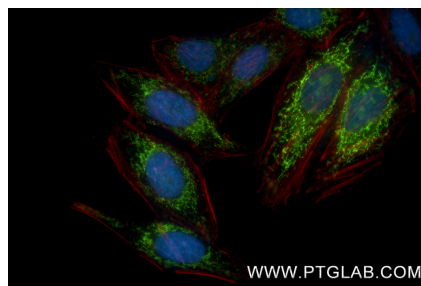
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88027-1-RR (PCK2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88027-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PCK2 antibody (88027-1-RR, Clone: 260096E12) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 88027-1-PBS in a different storage buffer formulation.