

For Research Use Only

PCK2 Monoclonal antibody, PBS Only

Catalog Number: 67676-1-PBS



Basic Information

Catalog Number:

67676-1-PBS

Concentration:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG7021

GenBank Accession Number:

BC001454

GeneID (NCBI):

5106

UNIPROT ID:

Q16822

Full Name:

phosphoenolpyruvate carboxykinase
2 (mitochondrial)

Calculated MW:

71 kDa

Observed MW:

68 kDa

Purification Method:

Protein A purification

CloneNo.:

1B3F1

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Species Specificity:

human, mouse, rat, pig, rabbit

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.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

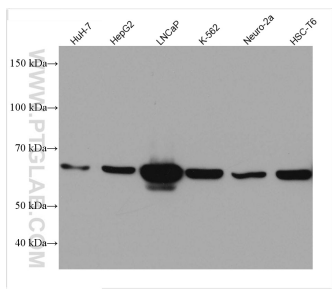
T: 4006900926

E: Proteintech-CN@ptglab.com

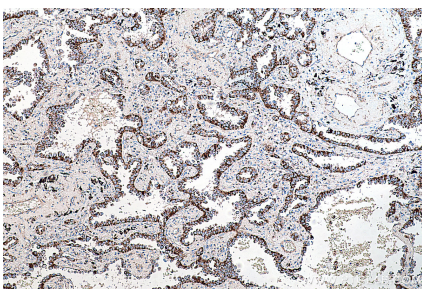
W: ptgcn.com

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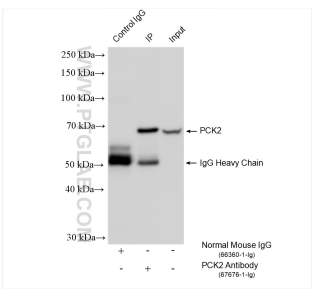
Selected Validation Data



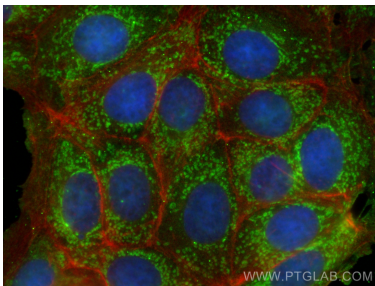
Various lysates were subjected to SDS PAGE followed by western blot with 67676-1-Ig (PCK2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67676-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67676-1-Ig (PCK2 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67676-1-PBS in a different storage buffer formulation.



IP result of anti-PCK2 (IP:67676-1-Ig, 4ug; Detection:67676-1-Ig 1:2000) with HepG2 cells lysate 1640 ug. This data was developed using the same antibody clone with 67676-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using PCK2 antibody (67676-1-Ig, Clone: 1B3F1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red). This data was developed using the same antibody clone with 67676-1-PBS in a different storage buffer formulation.