

For Research Use Only

PCK2 Monoclonal antibody, PBS Only

Catalog Number: 67676-1-PBS



Basic Information

Catalog Number: 67676-1-PBS	GenBank Accession Number: BC001454	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 5106	CloneNo.: 1B3F1
Source: Mouse	UNIPROT ID: Q16822	
Isotype: IgG1	Full Name: phosphoenolpyruvate carboxykinase 2 (mitochondrial)	
Immunogen Catalog Number: AG7021	Calculated MW: 71 kDa	
	Observed MW: 68 kDa	

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

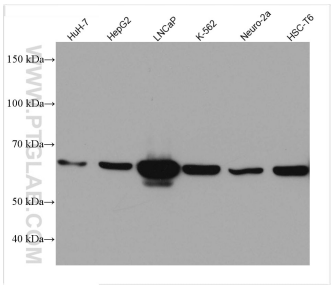
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

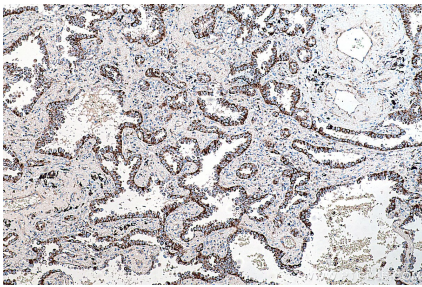
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

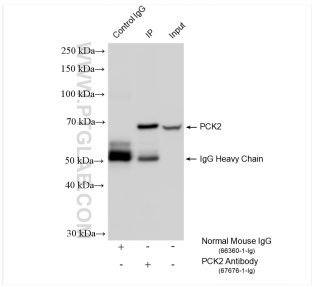
Selected Validation Data



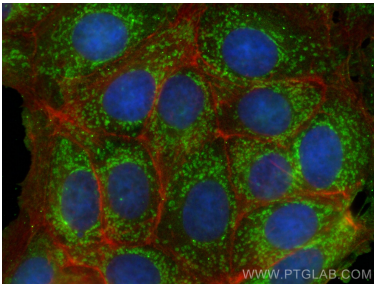
Various lysates were subjected to SDS PAGE followed by western blot with 67676-1-Ig (PCK2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67676-1-PBS in a different storage buffer formulation.



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.