

For Research Use Only

PCK2 Recombinant monoclonal antibody

Catalog Number: 88027-1-RR



Basic Information

Catalog Number: 88027-1-RR	GenBank Accession Number: BC001454	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 5106	CloneNo.: 260096E12
Isotype: IgG	UNIPROT ID: Q16822	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:250-1:1000
Immunogen Catalog Number: AG6681	Full Name: phosphoenolpyruvate carboxykinase 2 (mitochondrial)	
	Calculated MW: 71 kDa	
	Observed MW: 66-71 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, rat	WB : LNCaP cells, HepG2 cells, K-562 cells, Neuro-2a cells, HSC-T6 cells IF/ICC : HepG2 cells,

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

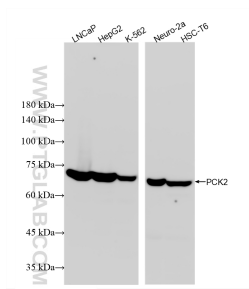
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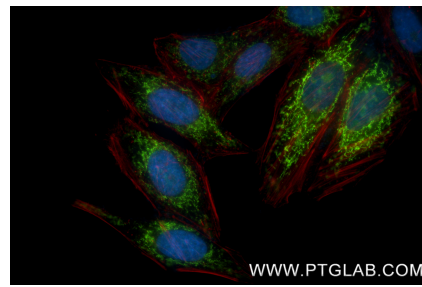
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Selected Validation Data



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.



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).