

For Research Use Only

PCK1 Recombinant monoclonal antibody

Catalog Number: 87901-3-RR



Basic Information

Catalog Number: 87901-3-RR	GenBank Accession Number: BC023978	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5105	CloneNo.: 253526G9
Source: Rabbit	UNIPROT ID: P35558	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: phosphoenolpyruvate carboxykinase 1 (soluble)	
Immunogen Catalog Number: AG9720	Calculated MW: 622 aa, 69 kDa	
	Observed MW: 66-69 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: mouse, rat	WB : mouse liver tissue, rat liver tissue, mouse kidney tissue, rat kidney tissue

Background Information

PCK1 (Phosphoenolpyruvate carboxykinase, cytosolic) is also named as PEPC1 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

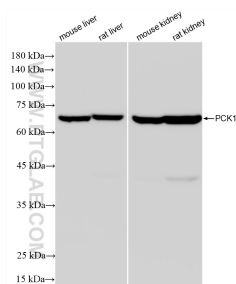
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87901-3-RR (PCK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.