

For Research Use Only

CPT2 Monoclonal antibody, PBS Only

Catalog Number: 68815-3-PBS



Basic Information

Catalog Number: 68815-3-PBS	GenBank Accession Number: BC002445	Purification Method: Protein G purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 1376	CloneNo.: 3F11C10
Source: Mouse	UNIPROT ID: P23786	
Isotype: IgG1	Full Name: carnitine palmitoyltransferase 2	
Immunogen Catalog Number: AG24833	Calculated MW: 74 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, rat

Background Information

Carnitine palmitoyltransferase-1 and -2 (CPT1 and CPT2) are two genetically distinct mitochondrial membrane bound enzymes and play critical role in the regulation of FAO in normal cells. CPT2 is an ubiquitous protein and locates in the inner membrane of mitochondrial (PMID: 29437870). CPT2 is frequently down-regulated in primary ovarian serous carcinomas, which is significantly correlated with poor survival of ovarian cancer patients (PMID: 33486313). Down-regulation of CPT2 was a major cause of acylcarnitine accumulation and a common feature in mouse models of obesity- and NASH-driven HCC and human SH-HCC (PMID: 29872321).

Storage

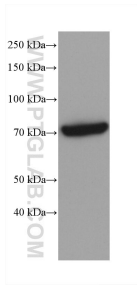
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

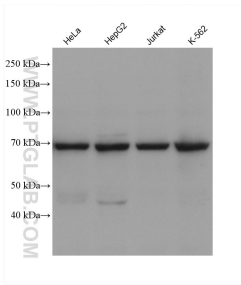
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

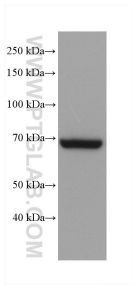
Selected Validation Data



rat liver tissue were subjected to SDS PAGE followed by western blot with 68815-3-Ig (CPT2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68815-3-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 68815-3-Ig (CPT2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68815-3-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 68815-3-Ig (CPT2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68815-3-PBS in a different storage buffer formulation.