

For Research Use Only

CPT2 Monoclonal antibody

Catalog Number: 68815-3-Ig



Basic Information

Catalog Number:

68815-3-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG24833

GenBank Accession Number:

BC002445

GeneID (NCBI):

1376

UNIPROT ID:

P23786

Full Name:

carnitine palmitoyltransferase 2

Calculated MW:

74 kDa

Observed MW:

65-70 kDa

Purification Method:

Protein G purification

CloneNo.:

3F11C10

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, rat

Positive Controls:

WB : HeLa cells, LNCaP cells, rat liver tissue, HepG2 cells, Jurkat cells, K-562 cells

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 -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

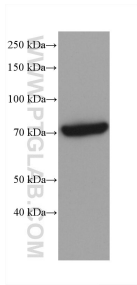
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

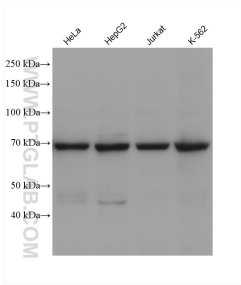
E: proteintech@ptglab.com
W: ptglab.com

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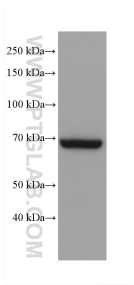
Selected Validation Data



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.



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.



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