

## Rabbit CPT1B Polyclonal Antibody | anti-CPT1B antibody

CPT1B antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                                               | APPLICATIONS                       |
|-----------|--------|--------------------------------------------------------------------------|------------------------------------|
| AAA23525  | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish | Immunohistochemistry, Western Blot |

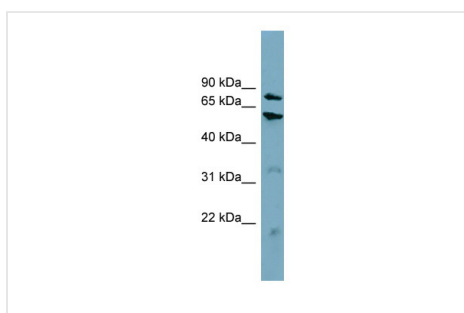
### PRODUCT SYNONYMS

CPT1B; Polyclonal Antibody; CPT1B antibody - middle region; anti-CPT1B antibody

### PRODUCT SPECIFICATIONS

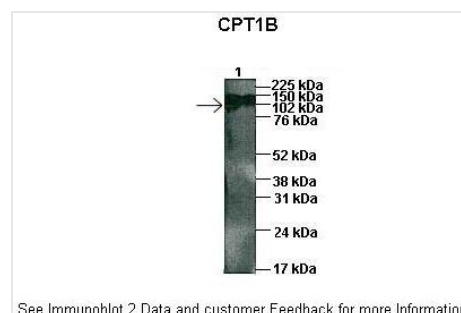
|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish                                                                              |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Purity/Purification                             | Affinity Purified                                                                                                                                     |
| Form/Format                                     | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                        | Synthetic peptide with the following region: DL EMQFQRILDD PSPPPQGEEK LAALTAGGRV EWAQARQAFF SSGKNKAA                                                  |
| Sequence Length                                 | 772                                                                                                                                                   |
| Applicable Applications for anti-CPT1B antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Homology                                        | Cow: 93%; Dog: 100%; Guinea Pig: 100%; Horse: 86%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 93%; Zebrafish: 92%                      |
| Immunogen                                       | The immunogen is a synthetic peptide directed towards the middle region of human CPT1B                                                                |
| Preparation and Storage                         | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

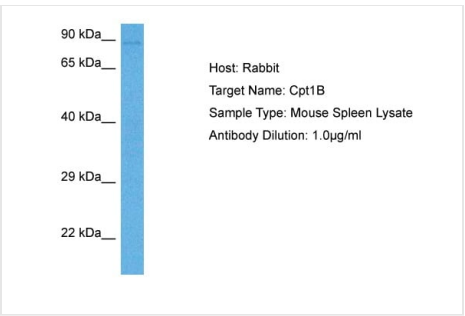
WB Suggested Anti-CPT1B Antibody Titration: 0.2-1 ug/mL  
 ELISA Titer: 1:62500  
 Positive Control: HT1080 cell lysate  
 CPT1B is supported by BioGPS gene expression data to be expressed in HT1080



See Immunoblot 2 Data and customer Feedback for more Information

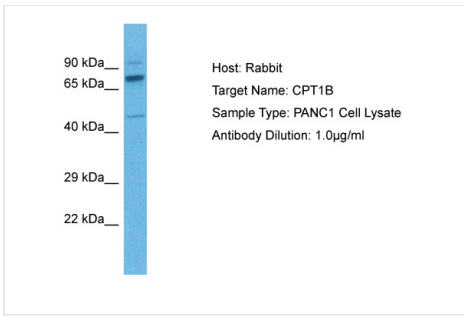
#### WB (Western Blot)

Sample Type : 1: 45ug human capan1 cell lysate  
 Primary Antibody Dilution : 1:1000  
 Secondary Antibody : Anti-rabbit HRP  
 Secondary Antibody Dilution : 1:5000  
 Color/Signal Descriptions : ARP46444-QC16367-WB-image-02  
 Gene Name : CPT1B  
 Submitted by : Dr. Pankaj Kumar Singh, UNMC, Omaha, NE



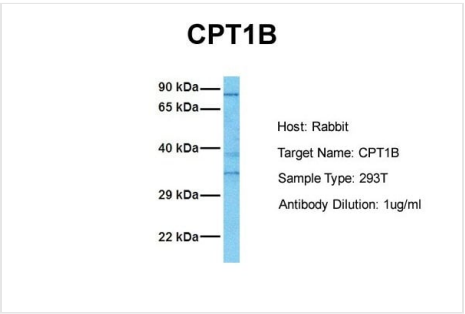
**WB (Western Blot)**

Host: RabbitTarget Name: CPT1BSample Tissue: Mouse SpleenAntibody Dilution: 1ug/ml



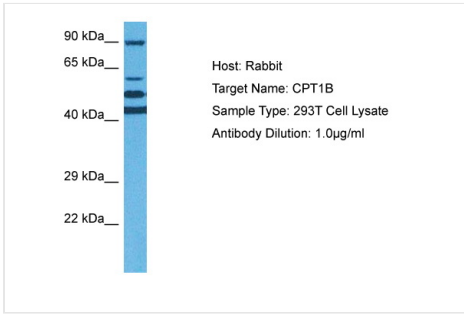
**WB (Western Blot)**

Host: RabbitTarget Name: CPT1BSample Tissue: Human PANC1 Whole CellAntibody Dilution: 1ug/ml



**WB (Western Blot)**

Host: RabbitTarget Name: CPT1BSample Tissue: Human 293TAntibody Dilution: 1.0ug/ml



**WB (Western Blot)**

Host: RabbitTarget Name: CPT1BSample Tissue: Human 293T Whole CellAntibody Dilution: 1ug/ml

**ADDITIONAL INFORMATION**

|                                                            |                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CPT1B antibody</b> | This is a rabbit polyclonal antibody against CPT1B. It was validated on Western Blot using a cell lysate as a positive control.                                                                                                                                                     |
|                                                            | Target Description: The protein encoded by this gene, a member of the carnitine/choline acetyltransferase family, is the rate-controlling enzyme of the long-chain fatty acid beta-oxidation pathway in muscle mitochondria. This enzyme is required for the net transport of long- |
| <b>Product Categories/Family for anti-CPT1B antibody</b>   | <a href="#">Polyclonal</a> ; <a href="#">Membrane Protein</a> ; <a href="#">Drugs and Drug Metabolism</a>                                                                                                                                                                           |

**NCBI AND UNIPROT INFORMATION**

|                                         |                                                              |
|-----------------------------------------|--------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">4758050</a>                                      |
| <b>NCBI GeneID</b>                      | <a href="#">1375</a>                                         |
| <b>NCBI Accession #</b>                 | <a href="#">NP_004368</a>                                    |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_004377</a>                                    |
| <b>UniProt Accession #</b>              | <a href="#">Q92523</a>                                       |
| <b>Molecular Weight</b>                 | 88kDa                                                        |
| <b>NCBI Official Full Name</b>          | carnitine O-palmitoyltransferase 1, muscle isoform isoform a |
| <b>NCBI Official Synonym Full Names</b> | carnitine palmitoyltransferase 1B                            |
| <b>NCBI Official Symbol</b>             | CPT1B                                                        |
| <b>NCBI Official Synonym Symbols</b>    | CPTI; CPT1M; MCPT1; CPT1-M; CPTI-M; M-CPT1; MCCPT1           |
| <b>NCBI Protein Information</b>         | carnitine O-palmitoyltransferase 1, muscle isoform           |

|                            |                                                    |
|----------------------------|----------------------------------------------------|
| UniProt Protein Name       | Carnitine O-palmitoyltransferase 1, muscle isoform |
| UniProt Gene Name          | CPT1B                                              |
| UniProt Synonym Gene Names | KIAA1670; CPT1-M; CPT I; CPTI-M                    |
| UniProt Entry Name         | CPT1B_HUMAN                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cpt1b-antibody-immunohistochemistry-western-blot-elisa/23525>