

## Rabbit anti-Human CPT1B Polyclonal Antibody | anti-CPT1B antibody

CPT1B Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                  |
|-----------|--------|------------|---------------------------------------------------------------|
| AAA232960 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

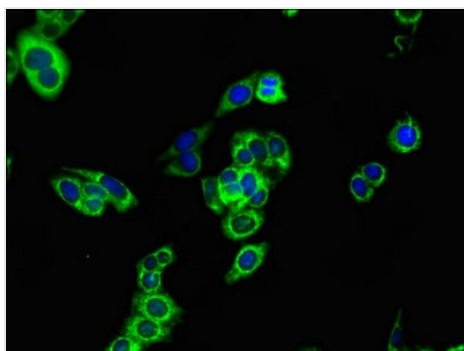
### PRODUCT SYNONYMS

CPT1B; Polyclonal Antibody; CPT1B Antibody; Carnitine O-palmitoyltransferase 1; muscle isoform; Carnitine O-palmitoyltransferase I; CPT I; CPTI-M; Carnitine palmitoyltransferase 1B; Carnitine palmito; KIAA1670; anti-CPT1B antibody

### PRODUCT SPECIFICATIONS

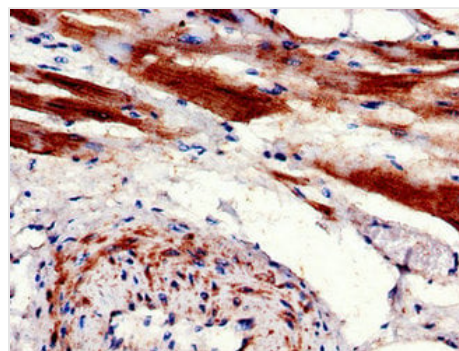
|                                                 |                                                                                                                           |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                    |
| Reactivity                                      | Human                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                |
| Isotype                                         | IgG                                                                                                                       |
| Purity/Purification                             | >95%, Protein G purified                                                                                                  |
| Form/Format                                     | Liquid                                                                                                                    |
| Sequence Length                                 | 738                                                                                                                       |
| Applicable Applications for anti-CPT1B antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                             |
| Immunogen                                       | Recombinant Human Carnitine O-palmitoyltransferase 1, muscle isoform protein (165-318AA)                                  |
| Preservative                                    | 0.03% Proclin 300                                                                                                         |
| Constituents                                    | 50% Glycerol, 0.01M PBS, PH 7.4                                                                                           |
| Conjugation                                     | Non-conjugated                                                                                                            |
| Santa Cruz Alternative                          | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-20519 / sc-20522 / sc-20524 / sc-20670 / sc-31128 |
| Preparation and Storage                         | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.            |

### IMAGES



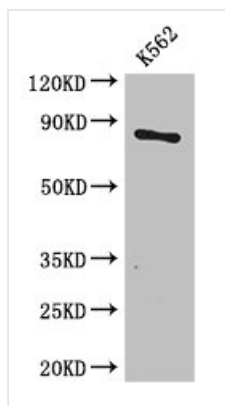
IHC (Immunohistochemistry)

Immunofluorescent analysis of HepG2 cells using AAA232960 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human heart tissue using AAA232960 at dilution of 1:100



#### WB (Western Blot)

Western BlotPositive WB detected in:K562 whole cell lysateAll lanes: CPT1B antibody at 3.4ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 88,67,84,79 kDaObserved band size: 88 kDa

## ADDITIONAL INFORMATION

|                                                     |                                                                                                                                      |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CPT1B antibody | mitochondrial outer membrane, mitochondrion, carnitine O-palmitoyltransferase activity, carnitine shuttle, fatty acid beta-oxidation |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|

## NCBI AND UNIPROT INFORMATION

|                                  |                                                              |
|----------------------------------|--------------------------------------------------------------|
| NCBI GI #                        | 223468670                                                    |
| NCBI GeneID                      | 1375                                                         |
| NCBI Accession #                 | NP_001138606.1                                               |
| NCBI GenBank Nucleotide #        | NM_001145134.1                                               |
| UniProt Accession #              | Q92523; Q13389; Q99655; Q9BY90; B7Z4U4; B7Z5T8; E9PCP2       |
| Molecular Weight                 | 78,844 Da                                                    |
| NCBI Official Full Name          | carnitine O-palmitoyltransferase 1, muscle isoform isoform c |
| NCBI Official Synonym Full Names | carnitine palmitoyltransferase 1B                            |
| NCBI Official Symbol             | CPT1B                                                        |
| NCBI Official Synonym Symbols    | CPTI; CPT1M; MCPT1; CPT1-M; CPTI-M; M-CPT1; MCCPT1           |
| NCBI Protein Information         | carnitine O-palmitoyltransferase 1, muscle isoform           |
| UniProt Protein Name             | Carnitine O-palmitoyltransferase 1, muscle isoform           |
| UniProt Gene Name                | <b>CPT1B</b>                                                 |
| 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-immunofluorescence-immunohistochemistry-western-blot-elisa/232960>