

# ABflo® 488 Rabbit anti-Human CPT1A mAb

Catalog No.: A27107

## Basic Information

### Observed MW

### Calculated MW

88kDa

### Category

Primary antibody

### Applications

FC (intra)

### Cross-Reactivity

Human

### CloneNo number

ARC70823-ABflo488

### Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

## Recommended Dilutions

**FC (intra)** 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## Background

The mitochondrial oxidation of long-chain fatty acids is initiated by the sequential action of carnitine palmitoyltransferase I (which is located in the outer membrane and is detergent-labile) and carnitine palmitoyltransferase II (which is located in the inner membrane and is detergent-stable), together with a carnitine-acylcarnitine translocase. CPT I is the key enzyme in the carnitine-dependent transport across the mitochondrial inner membrane and its deficiency results in a decreased rate of fatty acid beta-oxidation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Immunogen Information

### Gene ID

1374

### Swiss Prot

P50416

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 520-720 of human CPT1A (NP\_001867.2).

### Synonyms

CPT1; CPT1-L; L-CPT1

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

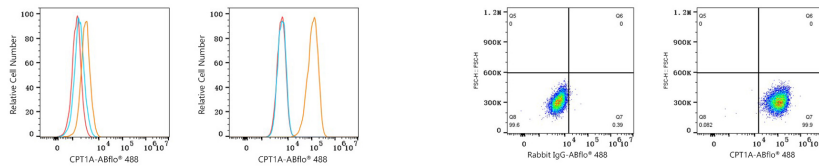
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data



Flow cytometry:  $1 \times 10^6$  Daudi cells (negative control, left) and SK-OV-3 cells (right) were intracellularly-stained with ABflo® 488 Rabbit anti-Human CPT1A mAb (A27107, 5  $\mu$ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: SK-OV-3 cells were intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, left) or ABflo® 488 Rabbit anti-Human CPT1A mAb (A27107, 5  $\mu$ l/Test, right).