PE Rabbit anti-Human CPT1A mAb

appit anti-Human CPIIA MAD ww

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Catalog No.: A27106

Basic Information

Observed MW

Calculated MW

88kDa

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC70823-PE

Conjugate

PE. Ex:565nm. Em:574nm.

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 detergentlabile) 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.

Recommended Dilutions

FC (intra)

5 μl per 10^6 cells in 100 μl volume

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

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Product Information

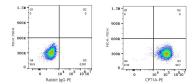
SourceIsotypePurificationRabbitIgGAffinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1X10^6 SK-OV-3 cells were intracellularly-stained with PE Rabbit IgG isotype control (A24172,5 μ I/Test,Ieft) or PE Rabbit anti-Human CPT1A mAb (A27106,5 μ I/Test,right).