Leader in Biomolecular Solutions for Life Science

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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

Conjugate
ABflo® 488. Ex:491nm. Em:516nm.

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.

Recommended Dilutions

FC (intra)	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
1374

Swiss Prot
P50416

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
CPT1; CPT1-L; L-CPT1

Contact

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Product Information

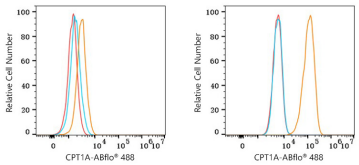
Source
Rabbit

Isotype
IgG

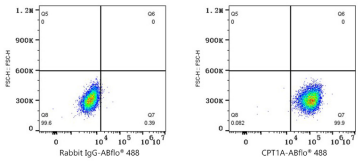
Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

Validation Data



Flow cytometry: 1X10^6 Daudi cells (negative control,left) and SK-OV-3 cells (right) were intracellularly-stained with ABflo® 488 Rabbit anti-Human CPT1A mAb (A27107,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/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 µl/Test,left) or ABflo® 488 Rabbit anti-Human CPT1A mAb (A27107,5 µl/Test,right).