For Research Use Only

CoraLite® Plus 488-conjugated ACOX1 Monoclonal antibody

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Catalog Number:CL488-68017

Basic Information

Catalog Number:
CL488-68017

Size:
100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG28037

GenBank Accession Number:
BC010425

GeneID (NCBI):
51

UNIPROT ID:
Q15067

Full Name:
acyl-Coenzyme A oxidase 1, palmitoyl

Calculated MW:
74 kDa

Observed MW:
50 kDa

Purification Method:
Protein G purification

CloneNo.:
3E12E10

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:

Species Specificity:
human, mouse, rat

Background Information

ACOX1(Peroxisomal acyl-coenzyme A oxidase 1) is the first and rate-limiting enzyme in the peroxisomal fatty acid beta-oxidation pathway and catalyzes the desaturation of acyl-CoAs to 2-trans-enoyl-CoAs. It belongs to the acyl-CoA oxidase family and also named as ACOX, AOX, SCOX. It has 3 isoforms produced by alternative splicing with the molecular mass of 70-74 kDa and can be cleaved post-translationally into a 50-kDa and a 22-kDa subunit between Val468 and Ala469 (PMID: 10672038). Defects in ACOX1 are the cause of adrenoleukodystrophy pseudoneonatal (Pseudo-NALD).

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data