10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ACADL Blocking Peptide
Catalog # PBV10061b

Specification

ACADL Blocking Peptide - Product Information

Primary Accession	P28330
Gene ID	33
Calculated MW	47656

ACADL Blocking Peptide - Additional Information

Gene ID 33

Application & Usage	**The peptide is used for blocking the antibody activity of ACADL. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.**

Other Names
Long-chain specific acyl-CoA dehydrogenase, mitochondrial, LCAD, 1.3.8.8, ACADL

Target/Specificity
ACADL

Formulation
50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
ACADL Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

ACADL Blocking Peptide - Protein Information

Name ACADL (HGNC:88)

Function
Long-chain specific acyl-CoA dehydrogenase is one of the acyl-CoA dehydrogenases that catalyze the first step of mitochondrial fatty acid beta-oxidation, an aerobic process breaking down fatty acids into acetyl-CoA and allowing the production of energy from fats (By similarity). The first step of fatty acid beta-oxidation consists in the removal of one hydrogen from C-2 and C-3 of the

straight-chain fatty acyl-CoA thioester, resulting in the formation of trans-2-enoyl- CoA (By similarity). Among the different mitochondrial acyl-CoA dehydrogenases, long-chain specific acyl-CoA dehydrogenase can act on saturated and unsaturated acyl-CoAs with 6 to 24 carbons with a preference for 8 to 18 carbons long primary chains (PubMed:8823175, PubMed:21237683).

Cellular Location
Mitochondrion matrix {ECO:0000250|UniProtKB:P15650}

ACADL Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ACADL Blocking Peptide - Images