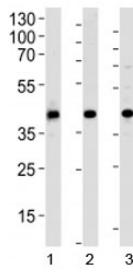


ACADL Antibody (F42746)

Catalog No.	Formulation	Size
F42746-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F42746-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P28330
Localization	Cytoplasmic
Applications	Western Blot : 1:500-1000
Limitations	This ACADL antibody is available for research use only.



Western blot analysis of 1) human HepG2, 2) mouse kidney and 3) rat spleen tissue lysate using ACADL antibody at 1:1000. Predicted molecular weight ~48 kDa.

Description

Long-chain specific acyl-CoA dehydrogenase, mitochondrial belongs to the acyl-CoA dehydrogenase family, which is a family of mitochondrial flavoenzymes involved in fatty acid and branched chain amino-acid metabolism. This protein is one of the four enzymes that catalyze the initial step of mitochondrial beta-oxidation of straight-chain fatty acid. Defects in this gene are the cause of long-chain acyl-CoA dehydrogenase (LCAD) deficiency, leading to nonketotic hypoglycemia.

Application Notes

Titration of the ACADL antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 14-43 from the human protein was used as the immunogen for this ACADL antibody.

Storage

Aliquot the ACADL antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.