



ACADV Polyclonal Antibody

Catalog No	YP-Ab-07315
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	ACADVL VLCAD
Immunogen	Synthesized peptide derived from human protein . at AA range: 471-520
Specificity	ACADV Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ACAD6;LCACD;VLCAD;ACADV_HUMAN;ACADVL;1.3.8.9;ACADV_MOUSE;MVLCAD (VLCAD);ACADV_RAT;ACADV;ACADVL VLCAD;Very long-chain specific acyl-CoA dehydrogenase;mitochondrial (VLCAD) (EC 1.3.8.9)
Observed Band	65 kDa
Calculated Molecular Weight	70 kDa
Cell Pathway	Mitochondrion inner membrane ; Peripheral membrane protein .; [Isoform 2]: Mitochondrion inner membrane ; Peripheral membrane protein .
Tissue Specificity	Adipose tissue,Liver,Lung,Pancreas,Peripheral blood,Placenta,
Function	catalytic activity:Acyl-CoA + ETF = 2,3-dehydroacyl-CoA + reduced ETF., cofactor:FAD.,disease:Defects in ACADVL are the cause of very long chain acyl-CoA dehydrogenase deficiency (VLCAD deficiency) [MIM:201475]. VLCAD deficiency is an autosomal recessive disease which leads to impaired long-chain fatty acid beta-oxidation. It is clinically heterogeneous, with three major phenotypes: a severe childhood form, with early onset, high mortality, and high incidence of cardiomyopathy; a milder childhood form, with later onset, usually with hypoketotic hypoglycemia as the main presenting feature, low mortality, and rare cardiomyopathy; and an adult form, with isolated skeletal muscle involvement, rhabdomyolysis, and myoglobinuria, usually triggered by exercise

or fasting.,function:Active toward esters of long-chain and very long chain fatty acids such as palmitoyl-CoA, mysritoyl-CoA and stearoyl-

Background

acyl-CoA dehydrogenase, very long chain(ACADVL) Homo sapiens The protein encoded by this gene is targeted to the inner mitochondrial membrane where it catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. This acyl-Coenzyme A dehydrogenase is specific to long-chain and very-long-chain fatty acids. A deficiency in this gene product reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images