ACADV Polyclonal Antibody

Catalog No	BYab-07315
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	ACADVL VLCAD
Protein Name	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial (VLCAD) (EC 1.3.8.9)
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	
Observed Band	72kD
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.

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