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Rabbit Anti-ACADS antibody

SL23057R

Product Name:	ACADS
Chinese Name:	酰基辅酶A脱氢酶短链抗体
Alias:	ACAD3; Acyl Coenzyme A dehydrogenase, C2 to C3 short chain; Acyl-CoA dehydrogenase, C2 to C3 short chain; Acyl-CoA dehydrogenase, short chain; Acyl-Coenzyme A dehydrogenase, short chain; AI196007; Bcd-1; Bcd1; Butyryl CoA dehydrogenase; EC 1.3.99.2; SCAD; Short chain acyl CoA dehydrogenase; Short-chain specific acyl-CoA dehydrogenase, mitochondrial; Unsaturated acyl CoA reductase; ACADS_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,
Applications:	WB=1:500-2000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	45kDa
Cellular localization:	cytoplasmicMitochondrion
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ACADS:121-220/412
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	ACADS is a homotetramer mitochondrial flavoprotein, which is a member of the acyl CoA dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial

fatty acid beta oxidation pathway. Mutations in this gene have been associated with Short Chain Acyl CoA Dehydrogenase Deficiency.

Subcellular Location:
Mitochondrion matrix.

DISEASE:
Defects in ACADS are the cause of acyl-CoA dehydrogenase short-chain deficiency (ACADSD) [MIM:201470]. It is an autosomal recessive disorder resulting in acute acidosis and muscle weakness in infants, and a form of lipid-storage myopathy in adults.

Similarity:
Belongs to the acyl-CoA dehydrogenase family.

SWISS:
P16219

Gene ID:
35

Database links:

Entrez Gene: 35Human

Entrez Gene: 11409Mouse

Entrez Gene: 64304Rat

Omim: 606885Human

SwissProt: P16219Human

SwissProt: Q07417Mouse

SwissProt: P15651Rat

Unigene: 507076Human

Unigene: 18759Mouse

Unigene: 1167Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
