SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-ACADS antibody

Catalog Number: SL23057R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ACADS
Immunogen:	KLH conjugated synthetic peptide derived from human ACADS: 121-220/412
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Pig, Cow)
Predicted MW.:	45kDa
Subcellular Location:	cytoplasmic Mitochondrion
Background:	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. **Database links:** **Entrez Gene:** 35 Human **Entrez Gene:** 11409 Mouse **Entrez Gene:** 64304 Rat Omim: 606885 Human

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

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	SwissProt: P16219 Human **SwissProt:** Q07417 Mouse **SwissProt:** P15651 Rat **Unigene:** 507076 Human **Unigene:** 18759 Mouse **Unigene:** 1167 Rat

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