Best Tools for immunology Research

ACADL rabbit pAb

Catalog No :	YT6498
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	ACADL
Fields :	>>Fatty acid degradation;>>Metabolic pathways;>>Fatty acid metabolism;>>PPAR signaling pathway
Gene Name :	ACADL
Protein Name :	ACADL
Human Gene Id :	33
Human Swiss Prot No :	P28330
Mouse Gene Id :	11363
Mouse Swiss Prot No :	P51174
Rat Gene Id :	25287
Rat Swiss Prot No :	P15650
Immunogen :	Synthesized peptide derived from human ACADL AA range: 258-308
Specificity :	This antibody detects endogenous levels of ACADL at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1□500-2000

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Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

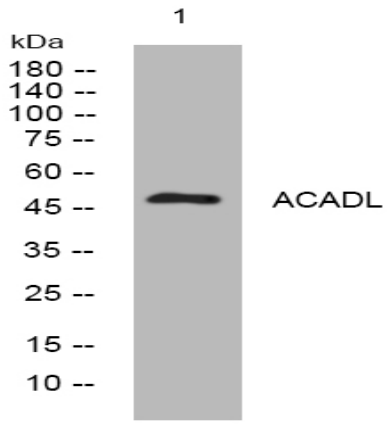
Molecularweight : 47kD

Background : The protein encoded by this gene 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. [provided by RefSeq, Jul 2008],

Function : catalytic activity:Acyl-CoA + acceptor = 2,3-dehydroacyl-CoA + reduced acceptor.,cofactor:FAD.,disease:Impaired ACADL activity results in non-ketotic hypoglycemia, hypotonia, muscle weakness and episodes of cardiorespiratory arrest associated with fasting [MIM:201460].,miscellaneous:A number of straight-chain acyl-CoA dehydrogenases of different substrate specificities are present in mammalian tissues.,pathway:Lipid metabolism; mitochondrial fatty acid beta-oxidation.,similarity:Belongs to the acyl-CoA dehydrogenase family.,subunit:Homotetramer.,

Subcellular Location : Mitochondrion matrix .

Products Images



Western blot analysis of lysates from A549 cells, primary antibody was diluted at 1:1000, 4°over night