

## ACADL rabbit pAb

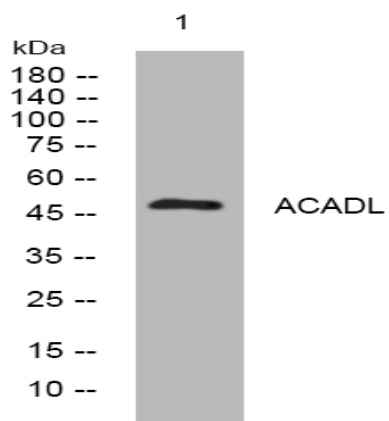
<b>Catalog No :</b>	YT6498
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	ACADL
<b>Fields :</b>	>>Fatty acid degradation;>>Metabolic pathways;>>Fatty acid metabolism;>>PPAR signaling pathway
<b>Gene Name :</b>	ACADL
<b>Protein Name :</b>	ACADL
<b>Human Gene Id :</b>	33
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

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<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	47kD
<b>Background :</b>	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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	Mitochondrion matrix .
<b>Tag :</b>	orthogonal
<b>Sort :</b>	1613
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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## Products Images



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