

# ACADS Rabbit mAb

Catalog # AP75024

## Product Information

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Application	WB, IP
Primary Accession	<a href="#">P16219</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	44297

## Additional Information

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Gene ID	35
Other Names	ACADS
Dilution	WB~~1/500-1/1000 IP~~1/20
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

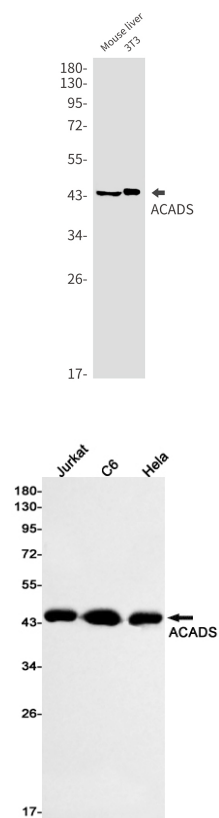
## Protein Information

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Name	ACADS
Function	Short-chain specific acyl-CoA dehydrogenase is one of the acyl-CoA dehydrogenases that catalyze the first step of mitochondrial fatty acid beta-oxidation, an aerobic process breaking down fatty acids into acetyl-CoA and allowing the production of energy from fats (By similarity). The first step of fatty acid beta-oxidation consists in the removal of one hydrogen from C-2 and C-3 of the straight-chain fatty acyl-CoA thioester, resulting in the formation of trans-2-enoyl- CoA (By similarity). Among the different mitochondrial acyl-CoA dehydrogenases, short-chain specific acyl-CoA dehydrogenase acts specifically on acyl-CoAs with saturated 4 to 6 carbons long primary chains (PubMed: <a href="#">11134486</a> , PubMed: <a href="#">21237683</a> ).
Cellular Location	Mitochondrion matrix {ECO:0000250 UniProtKB:Q3ZBF6}

## Images

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