ACADSB mouse mAb

Catalog No	YP-mAb-18153
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ACADSB
Immunogen	Synthesized peptide derived from human ACADSB
Specificity	This antibody detects endogenous levels of ACADSB at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	2 MEBCAD;ACAD7;ACADSB;SBCAD;Short/branched chain specific acyl-CoA dehydrogenase;mitochondrial (SBCAD) (EC 1.3.8.5) (2-methyl branched chain acyl-CoA dehydrogenase) (2-MEBCAD) (2-methylbutyryl-coenzyme A dehydrogenase) (2-methy; mitochondrial (SBCAD) (EC 1.3.8.5) (2-methyl branched chain acyl-CoA dehydrogenase) (2-MEBCAD) (2-methylbutyryl-coenzyme A dehydrogenase) (2-methy
Observed Band	45-47 kDa
Calculated Molecular Weight	432 aa, 47 kDa
Cell Pathway	Mitochondrion matrix .
Tissue Specificity	Ubiquitously expressed.
Function	Short and branched chain specific acyl-CoA dehydrogenase that catalyzes the removal of one hydrogen from C-2 and C-3 of the fatty acyl-CoA thioester, resulting in the formation of trans-2-enoyl-CoA . Among the different mitochondrial acyl-CoA dehydrogenases, acts specifically on short and branched chain acyl-CoA derivatives such as (S)-2-methylbutyryl-CoA as well as short straight chain acyl-CoAs such as butyryl-CoA . Plays an important role in the metabolism of L-isoleucine by catalyzing the dehydrogenation of 2-methylbutyryl-CoA, one of the steps of the L-isoleucine catabolic pathway . Can

	also act on valproyl-CoA, a metabolite of valproic acid, an antiepileptic drug .
Background	
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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