



ACSL5 Monoclonal Antibody

Catalog No	BYmab-05702
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	ACSL5 ACS5 FACL5 UNQ633/PRO1250
Protein Name	Long-chain-fatty-acid--CoA ligase 5 (EC 6.2.1.3) (Long-chain acyl-CoA synthetase 5) (LACS 5)
Immunogen	Synthesized peptide derived from human protein . at AA range: 460-540
Specificity	ACSL5 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	75kD
Cell Pathway	Mitochondrion . Endoplasmic reticulum . Mitochondrion outer membrane ; Single-pass type III membrane protein . Endoplasmic reticulum membrane ; Single-pass type III membrane protein . Cell membrane .
Tissue Specificity	Colon,
Function	catalytic activity:ATP + a long-chain carboxylic acid + CoA = AMP + diphosphate + an acyl-CoA.;cofactor:Magnesium.;function:Activation of long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. Utilizes a wide range of saturated fatty acids with a preference for C16-C18 unsaturated fatty acids.;similarity:Belongs to the ATP-dependent AMP-binding enzyme family.,
Background	The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme is highly expressed in

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uterus and spleen, and in trace amounts in normal brain, but has markedly increased levels in malignant gliomas. This gene functions in mediating fatty acid-induced glioma cell growth. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

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.

Products Images

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