

ACSL1 (D2H5) Rabbit mAb

Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 78	Source/Isotype: Rabbit IgG	UniProt ID: #P33121	Entrez-Gene Id: 2180
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Product Usage Information	Application Western Blotting Immunoprecipitation	Dilution 1:1000 1:50
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity/Sensitivity	ACSL1 (D2H5) Rabbit mAb recognizes endogenous levels of total ACSL1 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala257 of human ACSL1 protein.	
Background	Mammalian long-chain acyl-CoA synthetase (ACSL) catalyzes the ligation of the fatty acid to CoA to form fatty acyl-CoA in a two-step reaction (1). Five isoforms of ACSL have been identified (1). These isoforms have different substrate preferences and subcellular localizations (1). Overexpression of ACSL1 results in changes to fatty acid metabolism in rat primary hepatocytes (2).	
Background References	<p>1. Mashek, D.G. et al. (2004) <i>J Lipid Res</i> 45, 1958-61.</p> <p>2. Li, L.O. et al. (2006) <i>J Biol Chem</i> 281, 37246-55.</p>	
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).	
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.	
Applications Key	W: Western Blotting IP: Immunoprecipitation	
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey	
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