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#13294**ACAT2 (E1L8V) Rabbit mAb**

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 41	Source/Isotype: Rabbit IgG	UniProt ID: #Q9BWD1	Entrez-Gene Id: 39
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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	ACAT2 (E1L8V) Rabbit mAb recognizes endogenous levels of total ACAT2 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val216 of human ACAT2 protein.	
Background	Acetyl-CoA acetyltransferase 2 (ACAT2), also known as cytosolic acetoacetyl-CoA thiolase, plays a role in regulating lipid metabolism (1). It catalyzes the synthesis of acetoacetyl-CoA from two acetyl-CoA molecules, which is later converted into steroids (2).	
Background References	<ol style="list-style-type: none"> Shintani, S. et al. (1999) <i>Genetics</i> 152, 743-54. Middleton, B. (1974) <i>Biochem J</i> 139, 109-21. 	
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 Mk: Monkey	
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