

bs-5019R**[Primary Antibody]****ACAT1 Rabbit pAb****BioSS**
ANTIBODIES

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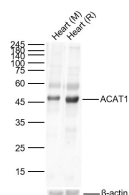
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 38 Target: ACAT1 Immunogen: KLH conjugated synthetic peptide derived from human ACAT1: 201-300/427. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: This gene encodes a mitochondrially localized enzyme that catalyzes the reversible formation of acetoacetyl-CoA from two molecules of acetyl-CoA. Defects in this gene are associated with 3-ketothiolase deficiency, an inborn error of isoleucine catabolism characterized by urinary excretion of 2-methyl-3-hydroxybutyric acid, 2-methylacetoacetic acid, tiglylglycine, and butanone. [provided by RefSeq, Feb 2009].	Isotype: IgG SWISS: P24752	Applications: WB (1:500-2000) Reactivity: Mouse, Rat (predicted: Human, Rabbit, Dog) Predicted MW.: 47 kDa Subcellular Location: Cytoplasm
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— VALIDATION IMAGES —

Sample: Lane 1: Mouse Heart Lysates Lane 2: Rat Heart Lysates
 Primary: Anti-ACAT1 (bs-5019R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 47kDa Observed band size: 47kDa

— SELECTED CITATIONS —

- **[IF=6.05]** Chang X. et al. Loss of Hepatic Surf4 Depletes Lipid Droplets in the Adrenal Cortex but Does Not Impair Adrenal Hormone Production.. Front Cardiovasc Med. 2021 Nov;8:764024-764024 WB ;Mouse. 34859075