

bs-3929R**[Primary Antibody]****ACLY Rabbit pAb****Bioss**
ANTIBODIES

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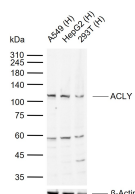
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human (predicted: Mouse, Rat, Pig, Sheep, Cow, Chicken, Dog, Horse)
GeneID: 47	SWISS: P53396	Predicted MW.: 122 kDa
Target: ACLY		Subcellular Location: Cytoplasm
Immunogen: KLH conjugated synthetic peptide derived from human ACLY: 951-1101/1101.		
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: ATP citrate lyase is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. The enzyme is a tetramer (relative molecular weight approximately 440,000) of apparently identical subunits. It catalyzes the formation of acetyl-CoA and oxaloacetate from citrate and CoA with a concomitant hydrolysis of ATP to ADP and phosphate. The product, acetyl-CoA, serves several important biosynthetic pathways, including lipogenesis and cholesterologenesis. In nervous tissue, ATP citrate-lyase may be involved in the biosynthesis of acetylcholine. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]		

— VALIDATION IMAGES —

Sample: Lane 1: Human A549 cell lysates Lane 2: Human HepG2 cell lysates Lane 3: Human 293T cell lysates
Primary: Anti-ACLY (bs-3929R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 122 kDa Observed band size: 115 kDa

— SELECTED CITATIONS —

- **[IF=6.78]** Zhe Jiang, et al. RSL1D1 modulates cell senescence and proliferation via regulation of PPAR γ mRNA stability. LIFE SCI. 2022 Aug.;120848 WB ;Human. 35940221