bs-3037R **[Primary Antibody]**

phospho-ACLY (Ser455) Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 47 **SWISS:** P53396

Target: ACLY (Ser455)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human ACLY around the phosphorylation site of Ser455: TA(p-S)FS.

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 cholesterogenesis. 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]

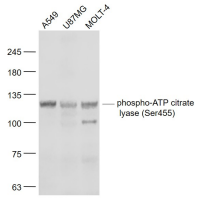
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Pig, Sheep, Cow, Chicken, Dog, Horse)

Predicted MW.: 122 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: A549(Human) Cell Lysate at 30 ug U87MG(Human) Cell Lysate at 30 ug MOLT-4(Human) Cell Lysate at 30 ug Primary: Anti- phospho-ATP citrate lyase (Ser455) (bs-3037R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 122 kD Observed band size: 122 kD