

A Reliable Research Partner in Life Science and Medicine

# **Recombinant ATP-Citrate Lyase Monoclonal Antibody**

catalog number: AN300841L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Reactivity Human; Mouse; Rat

Immunogen Recombinant Human ATP-Citrate Lyase protein

HostRabbitIsotypeIgG,κCloneB784PurificationProtein A

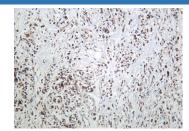
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

## Applications Recommended Dilution

IHC 1:2000-1:10000 WB 1:2000-1:10000

#### Data

kDa 200-140-100-70-55-40-35-25-20-15-10-



Western Blot with Recombinant ATP-Citrate Lyase Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: K562 cell lysate.

Observed-MW:121 kDa Calculated-MW:121 kDa Immunohistochemistry of paraffin-embedded human gastric carcinoma using Recombinant ATP-Citrate Lyase

Monoclonal Antibody at dilution of 1:200.

# **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

### **Background**

ATP citrate lyase(ACLY) Homo sapiens 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. Multiple transcript variants encoding distinct isoforms have been identified for this gene.