

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## ATP CITRATE LYASE RABBIT MAB

Cat.#: N261891

**Product Name:** Anti-ATP Citrate lyase Rabbit Monoclonal Antibody

Synonyms: ACLY; ATP-citrate synthase; ATP-citrate; pro-S-)-lyase; ACL;

Citrate cleavage enzyme

**UNIPROT ID: P53396** 

**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.

Immunogen: A synthetic peptide of human ATP citrate lyase

**Applications:** WB,ICC/IF,IP

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20

Host Species: Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R02-9B5

MW: Calculated MW: 121 kDa; Observed MW: 121 kDa

**Isotype:** IgG

Purification: Affinity Purified

**Species Reactivity:** Human, Mouse, Rat

**Conjugation:** Unconjugated **Modification:** Unmodified

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50%

glycerol, 0.5% BSA and 0.02% sodium azide

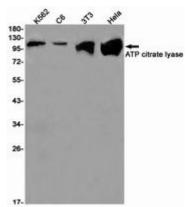
**Research Areas:** Signal Transduction

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

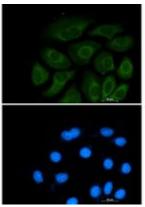


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Western blot analysis of ATP citrate lyase in K562, C6, 3T3, Hela lysates using ATP citrate lyase antibody.



Immunocytochemistry analysis of ATP Citrate Iyase (green) in A549 using ATP Citrate Iyase antibody, and DAPI(blue).