

**产品名称:** ATP citrate lyase (8L17) Rabbit Monoclonal Antibody  
**产品货号:** AMRe07317



## 产品概述 (Summary)

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| 产品名称 (Production Name) | ATP citrate lyase (8L17) Rabbit Monoclonal Antibody |
| 描述 (Description)       | Recombinant rabbit monoclonal antibody              |
| 宿主 (Host)              | Rabbit                                              |
| 应用 (Application)       | WB,IHC,ICC/IF,FC,IP                                 |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat                                     |

## 产品性能 (Performance)

|                     |                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                                                |
| 修饰 (Modification)   | Unmodified                                                                                                                  |
| 同种型 (Isotype)       | IgG                                                                                                                         |
| 克隆 (Clonality)      | Monoclonal                                                                                                                  |
| 形式 (Form)           | Liquid                                                                                                                      |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                                    |
| 储存溶液 (Buffer)       | Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein. |
| 纯化方式 (Purification) | Affinity purification                                                                                                       |

## 免疫原信息 (Immunogen)

|                        |                                                       |
|------------------------|-------------------------------------------------------|
| 基因名 (Gene Name)        | ACLY                                                  |
| 别名 (Alternative Names) | ACL; ATPCL; CLATP; ATP citrate lyase;                 |
| 基因 ID (Gene ID)        | 47.0                                                  |
| 蛋白 ID (SwissProt ID)   | P53396.A synthetic peptide of human ATP citrate lyase |

## 产品应用 (Application)

|                          |                                                                             |
|--------------------------|-----------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:2000-1:10000,IHC 1:50-1:100,ICC/IF 1:20-1:50,FC 1:20-1:50,IP 1:20-1:50 |
| 蛋白分子量 (Molecular Weight) | 121kDa                                                                      |

## 研究背景 (Background)

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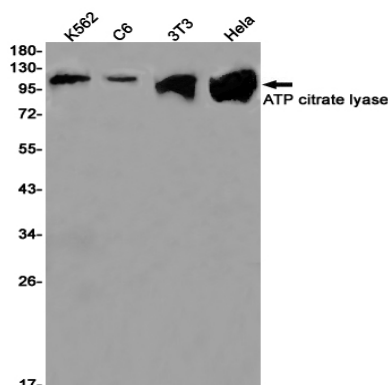


ATP citrate lyase is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. The enzyme is a tetramer (relative molecular weight approximately 440,000) of apparently identical subunits. It catalyzes the formation of acetyl-CoA and oxaloacetate from citrate and CoA with a concomitant hydrolysis of ATP to ADP and phosphate. The product, acetyl-CoA, serves several important biosynthetic pathways, including lipogenesis and cholesterologenesis. Catalyzes the cleavage of citrate into oxaloacetate and acetyl-CoA, the latter serving as common substrate for de novo cholesterol and fatty acid synthesis.

## 研究领域 (Research Area)

Signal Transduction

## 图片 (Image Data)



Western blot detection of ATP citrate lyase in K562, C6, 3T3, HeLa cell lysates using ATP citrate lyase antibody (1:1000 diluted).

## 注意事项 (Note)

For research use only.