

**Product Name: ATP citrate lyase (8L17) Rabbit
Monoclonal Antibody
Catalog #: AMRe07317**

Summary

Production Name	ATP citrate lyase (8L17) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	ACLY
Alternative Names	ACL; ATPCL; CLATP; ATP citrate lyase;
Gene ID	47.0
SwissProt ID	P53396.A synthetic peptide of human ATP citrate lyase

Application

Dilution Ratio	WB: 1:2000-1:10000
Molecular Weight	121kDa

Background

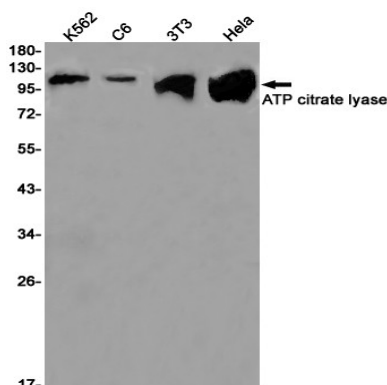
**Product Name: ATP citrate lyase (8L17) Rabbit
Monoclonal Antibody
Catalog #: AMRe07317**



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.

Research Area

Image Data



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

Note

For research use only.