

**Product Name: Phospho-ATP Citrate Synthase
(Thr447/Ser451) Rabbit Monoclonal Antibody
Catalog #: AMRe01694**

Summary

Production Name	Phospho-ATP Citrate Synthase (Thr447/Ser451) Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	ACLY
Alternative Names	ACLY; ATP-citrate synthase; ATP-citrate; pro-S-)-lyase; ACL; Citrate cleavage enzyme
Gene ID	47
SwissProt ID	P53396

Application

Dilution Ratio	WB: 1/500-1/1000
Molecular Weight	Calculated MW: 121 kDa; Observed MW: 121 kDa

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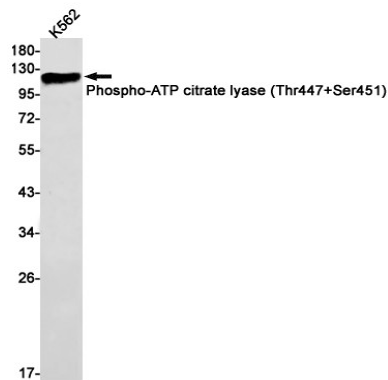
Background

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 cholesterologenesis.

Research Area

Signal Transduction

Image Data



Western blot analysis of Phospho-ATP citrate lyase (Thr447+Ser451) in K562 lysates using Phospho-ATP Citrate Synthase (Thr447/Ser451) antibody.

Note

For research use only.