

**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	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
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	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

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

Background

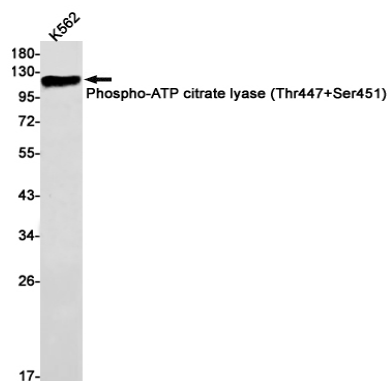
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ATP citrate lyase is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. The enzyme is a tetramer (relative molecular weight approximately 440,000) of apparently identical subunits. It catalyzes the formation of 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.

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.