

Phospho-ATP citrate lyase (Thr447/Ser451) Rabbit pAb

db8509

Package : 20μL 50μL 100μL

Product Name : Phospho-ATP citrate lyase (Thr447/Ser451) Rabbit pAb**Cat.No.:** db8509**Synonyms** : ACL; ATPCL; CLATP**Application** : WB, ICC/IF, IP**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**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. In nervous tissue, ATP citrate-lyase may be involved in the biosynthesis of acetylcholine. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Dec 2014]

Immunogen

A synthetic phosphopeptide corresponding to residues surrounding Thr447/Ser451 of human ATP citrate lyase

Gene ID

47

Swiss Prot

P53396

Synonyms

ACL; ATPCL; CLATP

Reactivity

Human, Mouse, Rat

Application

WB, ICC/IF, IP

Recommended dilution

WB: 1:1000

ICC/IF: 1:50

IP: 1:20

Calculated MW

121 kDa

Observed MW

121 kDa

Host species

Rabbit

Clonality

Polyclonal

Isotype

IgG

Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.