

Recombinant

DGRmAb®

Phospho-ATP citrate lyase (Thr447/Ser451) (DGR19620) Rabbit mAb

db14234

Package : 10µL 20µL 50µL 100µL

Product Name : Phospho-ATP citrate lyase (Thr447/Ser451) (DGR19620) Rabbit mAb**Cat.No.:** db14234**Synonyms** : ACL; ATPCL; CLATP**Application** : WB**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

Recommended dilution

WB: 1:1000

Calculated MW

121 kDa

Observed MW

121 kDa

Host species

Rabbit

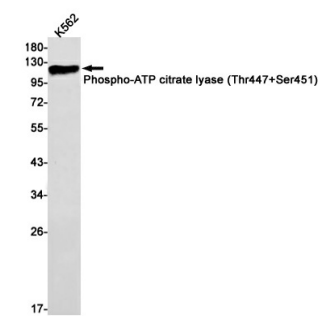
Clonality

Monoclonal

Clonality No.

DGR19620

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.



Western blot detection of Phospho-ATP citrate lyase (Thr447+Ser451) in K562 cell lysates using Phospho-ATP citrate lyase (Thr447+Ser451) antibody(1:1000 diluted).