

Recombinant

DGRmAb®

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

db14234-PBS

Package : 100µg

**Product Name** : Phospho-ATP citrate lyase (Thr447/Ser451) (DGR19620) Rabbit mAb (PBS Only)**Cat.No.:** db14234-PBS**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

**Calculated MW**

121 kDa

**Observed MW**

121 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR19620

**Isotype**

IgG

Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.

