

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 cholesterolgenesis. 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

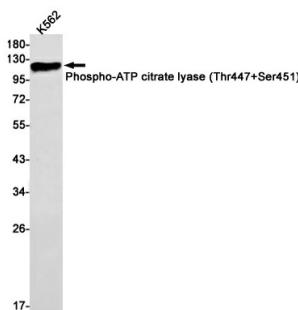
Clonality No.

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.



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).