

**Recombinant****DGRmAb®****ATP citrate lyase (DGR14757) Rabbit mAb (PBS Only)****db11738-PBS****Package : 100µg****Product Name :** ATP citrate lyase (DGR14757) Rabbit mAb (PBS Only)**Cat.No.:** db11738-PBS**Synonyms :** ACL; ATPCL; CLATP**Application :** WB, IHC, ICC/IF, FC, 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 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 peptide of human ATP citrate lyase

**Gene ID**

47

**Swiss Prot**

P53396

**Synonyms**

ACL; ATPCL; CLATP

**Reactivity**

Human, Mouse, Rat

**Application**

WB, IHC, ICC/IF, FC, IP

**Calculated MW**

121 kDa

**Observed MW**

121 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR14757

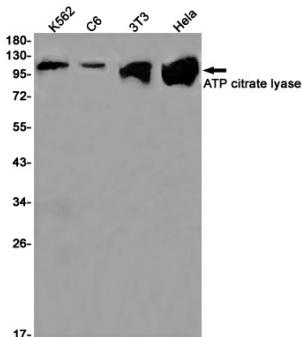
**Isotype**

IgG

**Purity**

Affinity Purification

<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	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 ATP citrate lyase in K562, C6, 3T3, HeLa cell lysates using ATP citrate lyase antibody (1:1000 diluted).

