

Recombinant

DGRmAb®

ATP citrate lyase (DGR14757) Rabbit mAb

db11738

Package : 10µL 20µL 50µL 100µL

Product Name : ATP citrate lyase (DGR14757) Rabbit mAb**Cat.No.:** db11738**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 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 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

Recommended dilution

WB: 1:2000-1:10000

IHC: 1:50

ICC/IF: 1:50

FC: 1:20

IP: 1:20

Calculated MW

121 kDa

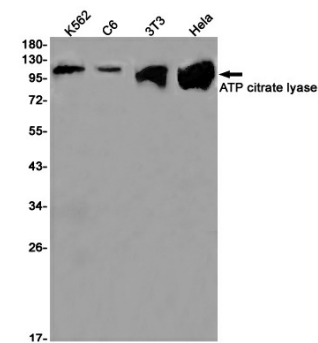
Observed MW

121 kDa

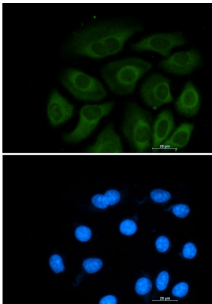
Host species

Rabbit

Clonality	Monoclonal
Clonality No.	DGR14757
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 ATP citrate lyase in K562,C6,3T3,Hela cell lysates using ATP citrate lyase antibody(1:1000 diluted).



Immunofluorescent analysis of A549 cells using db11738 antibody (green), and DAPI (blue).