Recombinant DGRmAb®

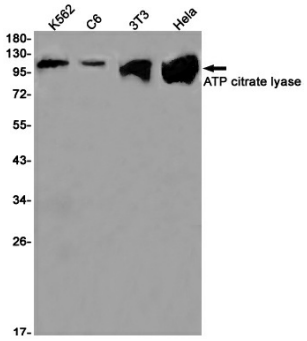
ATP Citrate lyase (DGR14757) Rabbit mAb

db11738 **Package : 10μL 20μL 50μL 100μL**

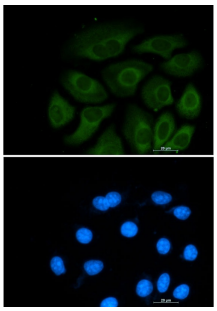
Product Name : ATP Citrate lyase (DGR14757) Rabbit mAb
Cat.No.: db11738
Synonyms : ACL; ATPCL; CLATP
Application : WB, IHC, ICC/IF, FC, IP
Reactivity : Human, Mouse, Rat
Host species : Rabbit

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 cholesterogenesis. 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).