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Product datasheet for TA373194

ATP citrate lyase (ACLY) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	WB,1:500 - 1:2000 IHC,1:50 - 1:100 IP,1:50 - 1:100
Reactivity:	Mouse
Modifications:	Phospho S455
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic phosphorylated peptide around S455 of human ACLY (NP_001087.2).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	91kDa/119kDa/120kDa
Gene Name:	ATP citrate lyase
Database Link:	P53396
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.

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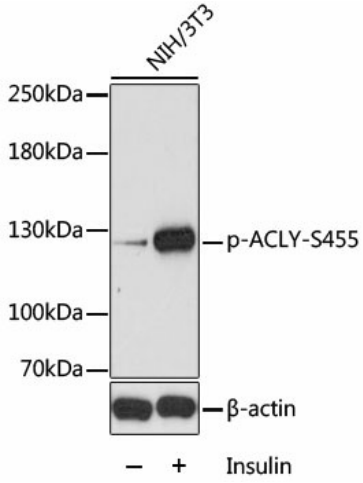
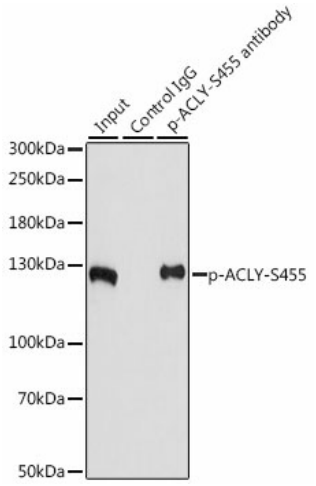
Synonyms: ACL; ATPCL; CLATP; OTTHUMP00000164773

Product images:



Western blot analysis of extracts of NIH/3T3 cells, using Phospho-ACLY-S455 antibody (TA373194) at 1:2000 dilution. NIH/3T3 cells were treated by Insulin (100nM) for 10 minutes after serum-starvation overnight.|Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.|Lysates/proteins: 25ug per lane.|Blocking buffer: 3% BSA.|Detection: ECL Basic Kit .|Exposure time: 60s.



Immunoprecipitation analysis of 200ug extracts of NIH/3T3 cells, using 3 ug Phospho-ACLY-S455 pAb (TA373194). Western blot was performed from the immunoprecipitate using Phospho-ACLY-S455 pAb (TA373194) at a dilition of 1:1000. NIH/3T3 cells were treated by Insulin (100 nM) at 37℃ for 10 minutes after serum-starvation overnight.