

For Research Use Only

CoraLite®594-conjugated ACLY Monoclonal antibody



Catalog Number:CL594-67166

Basic Information

Catalog Number: CL594-67166	GenBank Accession Number: BC006195	Purification Method: Caprylic acid/ammonium sulfate precipitation
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 47	CloneNo.: 1E10D5
Source: Mouse	Full Name: ATP citrate lyase	Recommended Dilutions: IF 1:50-1:500
Isotype: IgM	Calculated MW: 121 kDa	Excitation/Emission maxima wavelengths: 594 nm / 615 nm
Immunogen Catalog Number: AG7709	Observed MW: 120 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : A549 cells,
Species Specificity: Human, Mouse, Rat	

Background Information

ACLY(ATP-citrate synthase) is also named as ACL. It is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA. ACLY serves as not only a target in oxygenated cells for suppression of lipid synthesis and histone acetylation, but also as a susceptible target in hypoxic cells to restore inhibition of glycolysis. In nonsmall cell lung carcinoma and hepatocellular carcinoma, ACLY is overexpressed compared with normal parenchyma suggesting that ACLY may represent a common target among highly malignant tumors(PMID:19795461). This protein has 2 isoforms produced by alternative splicing.

Storage

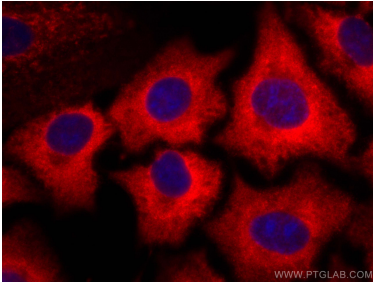
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using Coralite@594 ACLY antibody (CL594-67166, Clone: 1E10D5) at dilution of 1:200.