

For Research Use Only

CoraLite® Plus 555-conjugated ACLY Polyclonal antibody



Catalog Number: CL555-15421

Featured Product

Basic Information

Catalog Number: CL555-15421	GenBank Accession Number: BC006195	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1 mg/mL by Nanodrop;	GeneID (NCBI): 47	Excitation/Emission maxima wavelengths: 554 nm / 570 nm
Source: Rabbit	Full Name: ATP citrate lyase	
Isotype: IgG	Calculated MW: 121 kDa	
Immunogen Catalog Number: AG7709	Observed MW: 120 kDa	

Applications

Tested Applications:
FC (Intra)

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.

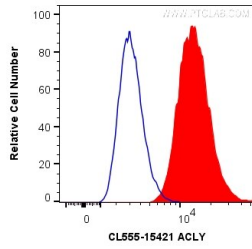
Aliquoting is unnecessary for -20°C storage

*** 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



1X10⁶ A549 cells were intracellularly stained with 0.2 ug CoraLite® Plus 555 Anti-Human ACLY (CL555-15421) (red), or 0.2 ug CoraLite® Plus 555 Rabbit IgG Control Antibody (CL555-30000) (Blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).