For Research Use Only

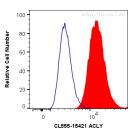
CoraLite® Plus 555-conjugated ACLY proteintech Antibodies | ELISA kits | Proteins Polyclonal antibody www.ptglab.com

Catalog Number:CL555-15421 Featured Product

Basic Information	Catalog Number: CL555-15421	GenBank Accession Number: BC 006195	Purification Method: Antigen affinity purification
	Size: 1 mg/mL	GeneID (NCBI): 47	Excitation/Emission maxima wavelengths:
	Source: Rabbit	UNIPROT ID: P53396	554 nm / 570 nm
	lsotype: IgG	Full Name: ATP citrate lyase	
	Immunogen Catalog Number: AG7709	Calculated MW: 121 kDa	
		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		

For technical support and original validation data for this product please contact: T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10^6 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).