For Research Use Only

# CoraLite® Plus 488-conjugated ACLY Monoclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:CL488-67166

## Basic Information

Catalog Number:
CL488-67166

Size:
100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgM

Immunogen Catalog Number:
AG7709

GenBank Accession Number:
BC006195

GeneID (NCBI):
47

Full Name:
ATP citrate lyase

Calculated MW:
121 kDa

Observed MW:
120 kDa

Purification Method:
Caprylic acid/ammonium sulfate precipitation

CloneNo.:
1E10D5

Recommended Dilutions:
IF 1:50-1:500

## Applications

Tested Applications:
IF

Species Specificity:
Human, Mouse, Rat

Positive Controls:

IF : A549 cells,

## 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.

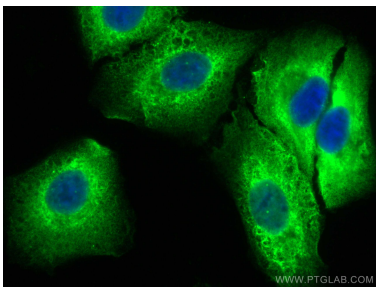
## Storage

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

## Selected Validation Data




Immunofluorescent analysis of (4% PFA) fixed A549 cells using CoraLite® Plus 488 ACLY antibody (CL488-67166, Clone: 1E10D5 ) at dilution of 1:200.