

For Research Use Only

ACLY Recombinant monoclonal antibody, PBS Only

Catalog Number: 87231-1-PBS



Basic Information

Catalog Number:

87231-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7709

GenBank Accession Number:

BC006195

GeneID (NCBI):

47

UNIPROT ID:

P53396

Full Name:

ATP citrate lyase

Calculated MW:

121 kDa

Observed MW:

120 kDa

Purification Method:

Protein A purification

CloneNo.:

252489F4

Applications

Tested Applications:

WB, Indirect ELISA

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).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

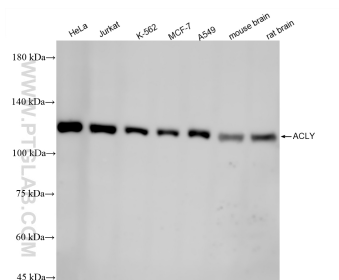
T: 4006900926

E: Proteintech-CN@ptglab.com

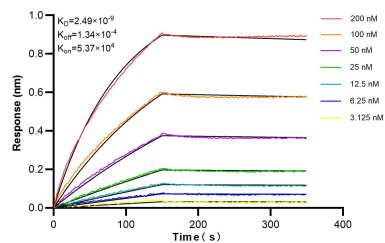
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87231-1-RR (ACLY antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87231-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87231-1-RR against Human ACLY were performed. The affinity constant is 2.49 nM.