

For Research Use Only

ACLY Recombinant monoclonal antibody

Catalog Number: 87231-1-RR



Basic Information

Catalog Number:	87231-1-RR	GenBank Accession Number:	BC006195	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI):	47	CloneNo.:	252489F4
Source:	Rabbit	UNIPROT ID:	P53396	Recommended Dilutions:	WB: 1:2000-1:10000
Isotype:	IgG	Full Name:	ATP citrate lyase		
Immunogen Catalog Number:	AG7709	Calculated MW:	121 kDa		
		Observed MW:	120 kDa		

Applications

Tested Applications:	WB, ELISA	Positive Controls:	WB : HeLa cells, Jurkat cells, K-562 cells, MCF-7 cells, A549 cells, mouse brain tissue, rat brain tissue
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

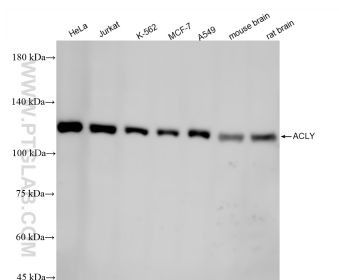
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

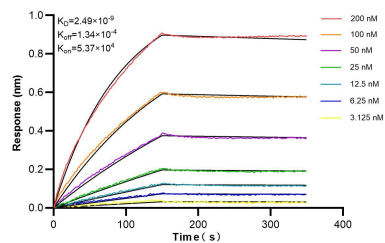
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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.



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