For Research Use Only

ACLY Polyclonal antibody

Catalog Number:15421-1-AP

Featured Product



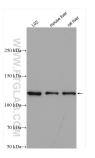


Basic Information	Catalog Number: 15421-1-AP	GenBank Accession Number: BC006195 GeneID (NCBI): 47 UNIPROT ID:		Purification Method: Antigen affinity purification	
	Size:			Recommended Dilutions: WB 1:1000-1:8000 IP 0.5-4.0 ug for 1.0-3.0 mg of total	
	150ul , Concentration: 450 ug/ml by Nanodrop;				
					Source:
	Rabbit Isotype: IgG Immunogen Catalog Number: AG7709	Full Name:		IF/ICC 1:10-1:100	
		ATP citrate lyase			
		Calculated MW: 121 kDa			
		Observed MW:			
		120 kDa			
	Applications	Tested Applications:		Positive Controls: WB : HeLa cells, A549 cells, L02 cells, Jurkat cells, K-	
WB, IHC, IF/ICC, FC (Intra), IP, ELISA					
Cited Applications:562 celWB, IHC, IF, IP, CoIPtissue			s, MCF-7 cells, mouse liver tissue, rat liver		
Species Specificity:			IP : HeLa cells		
human, mouse, rat			IHC : human p	rostate cancer tissue,	
Cited Species: human, mouse, rat, chicken		Cited Species: human, mouse, rat, chicken		2 cells,	
Note-IHC: suggested antigen (TE buffer pH 9.0; (*) Alternati retrieval may be performed w		vely, antigen			
	buffer pH 6.0				
Background Information	ACLY(ATP-citrate synthase) is also na acetyl-CoA. ACLY serves as not only acetylation, but also as a susceptible	a target in oxygenated ce target in hypoxic cells to oma, ACLY is overexpress arget among highly mali	ells for suppres o restore inhib sed compared	ition of glycolysis. In nonsmall cell lur with normal parenchyma suggesting	
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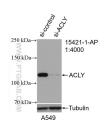
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.com

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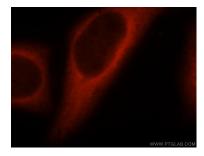
Selected Validation Data



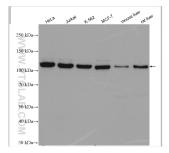
Various lysates were subjected to SDS PAGE followed by western blot with 15421-1-AP (ATP citrate lyase antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



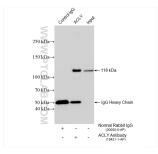
WB result of ACLY antibody (15421-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACLY transfected A549 cells.



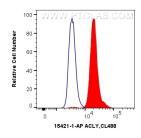
Immunofluorescent analysis of HepG2 cells, using ACLY antibody 15421-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



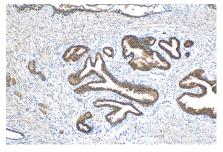
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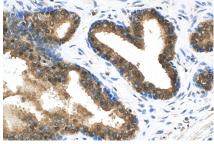
IP result of anti-ACLY (IP:15421-1-AP, 4ug; Detection:15421-1-AP 1:8000) with HeLa cells lysate 1320 ug.



1X10^6 HepG2 cells were intracellularly stained with 0.4 ug Anti-Human ACLY (15421-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit lgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffinembedded human prostate cancer tissue slide using 15421-1-AP (ACLY antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human prostate cancer tissue slide using 15421-1-AP (ACLY antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).