For Research Use Only

ACAT1 Polyclonal antibody

Catalog Number:16215-1-AP

Featured Product

25 Publications

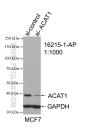


Basic Information	Catalog Number: 16215-1-AP	UNIPROT ID: P24752		Purification Method: Antigen affinity purification					
	Size:			Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500					
	150ul , Concentration: 550 µg/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG9215								
					Full Name: acetyl-Coenzyme A acetyltransferase 1 Calculated MW: 45 kDa Observed MW: 38-45 kDa				
		Applications	Tested Applications: WB, IP, IF, FC, IHC, ELISA	Positive Controls:					
			Cited Applications: WB, IP, IF, IHC, CoIP						heart tissue, Caco-2 cells, human skeleta Je, MCF-7 cells, rat skeletal muscle tissue n tissue
			Species Specificity:	ecificity: IP : mouse		eart tissue,			
	human, mouse, rat			IHC : human	n liver tissue,				
Cited Species: human, rat, mouse			IF : Hela cells,						
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0									
Background Information		ant roles in ketogen	esis and ketolysi	ring the reversible formation or breakdov is. Deficiency of ACAT1 causes an inherit cancer progression.					
Notable Publications	Author Pu	bmed ID Jo	Journal Application						
	De Huang 27	644987 Ce	ell Res	WB					
	Tim Düking 36	112685 Sc	ti Adv	WB					
	Jingqian Guan 33	103371] (Cell Mol Med	WB,IF,CoIP					
Storage	Storage: Store at -20°C. Stable for one year after shipment. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage								
*** 20ul sizes contain 0.1% BSA									

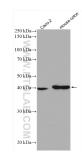
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.com

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

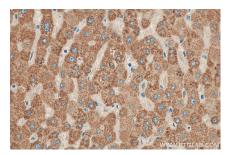
Selected Validation Data



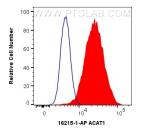
WB result of ACAT1 antibody (16215-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACAT1 transfected MCF-7 cells.



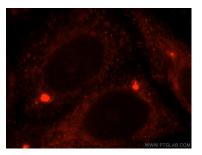
Various lysates were subjected to SDS PAGE followed by western blot with 16215-1-AP (ACAT1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



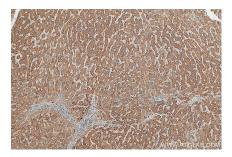
Immunohistochemical analysis of paraffinembedded human liver tissue slide using 16215-1-AP (ACAT1 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



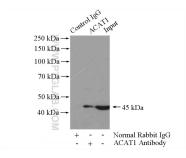
1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human ACAT1 (16215-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



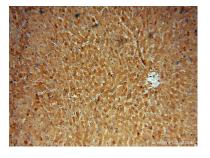
Immunofluorescent analysis of Hela cells, using ACAT1 antibody 16215-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffinembedded human liver tissue slide using 16215-1-AP (ACAT1 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-ACAT1 (IP:16215-1-AP, 4ug; Detection:16215-1-AP 1:500) with mouse heart tissue lysate 4400ug.



Immunohistochemical analysis of paraffinembedded human liver using 16215-1-AP (ACAT1 antibody) at dilution of 1:100 (under 10x lens).