For Research Use Only

ACC1 Monoclonal antibody

Catalog Number:67373-1-lg Featured Product





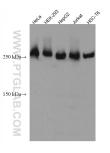
Basic Information	Catalog Number: 67373-1-lg	GenBank Accession Number: BC137287		Purification Method: Protein A purification	
	Size: GeneID (NCBI):		:	CloneNo: 1A11G10	
	150ul , Concentration: 2100 µg/ml	ration: 2100 µg/ml by 31			
	Nanodrop and 1000 μ g/ml by Bradford _{UNIPROT ID} : method using BSA as the standard; Q13085			Recommended Dilutions: WB 1:10000-1:50000	
	Source: Mouse Isotype: IgG2a Immunogen Catalog Number: AG17503	Full Name: acetyl-Coenzy	me A carboxylase	IHC 1:500-1:2000 IF 1:400-1:1600	
		alpha Calculated MV	-		
		2383 aa, 275 k			
		Observed MW: 250-270 kDa			
Applications	Tested Applications:	Positive Controls:			
	Cited Applications: cells, Ju WB, IHC IHC : hui			WB : HeLa cells, NIH/3T3 cells, HEK-293 cells, HepG2 cells, Jurkat cells, HSC-T6 cells	
				breast cancer tissue,	
	Species Specificity: IF : HeLa ce Human, Mouse, Rat			S,	
	Cited Species: human, rat, mouse, monkey				
	Note-IHC: suggested antiger TE buffer pH 9.0; (*) Alterna retrieval may be performed buffer pH 6.0	tively, antigen			
Background Information	ACACA(Acetyl-CoA carboxylase 1, ACC), also named as ACAC, ACC1 and ACCA, belongs to the biotin containing enzyme family. It catalyzes the synthesis of malonyl-CoA, which is an intermediate substrate playing a pivotal rol in the regulation of fatty acid metabolism and energy production. ACACA is involved in the biosynthesis of fatty acids, and malonyl-CoA produced is used as a building block to extend the chain length of fatty acids by fatty acid synthase (FAS)(PMID:19900410). It has 4 isoforms produced by alternative promoter usage with the molecular weight between 260 kDa and 270 kDa.				
Notable Publications	Author F	Pubmed ID	Journal	Application	
Notable Publications			Journal J Biochem Mol Toxi	Application col WB	
Notable Publications	Zhao Yang 3	Pubmed ID 36120828 34472622			
Notable Publications	Zhao Yang 3 Mengqiu Yuan 3	36120828	J Biochem Mol Toxi	col WB	
	Zhao Yang 3 Mengqiu Yuan 3 Yujie Zhong 3 Storage: 3 Storage: 5 Storage Buffer: PBS with 0.02% sodium azide and	36120828 34472622 36501024 after shipment. 50% glycerol pH 7	J Biochem Mol Toxi EMBO J Nutrients	col WB WB	
Notable Publications	Zhao Yang 3 Mengqiu Yuan 3 Yujie Zhong 3 Storage: 3 Storage: 3 Storage Buffer: 3	36120828 34472622 36501024 after shipment. 50% glycerol pH 7	J Biochem Mol Toxi EMBO J Nutrients	col WB WB	

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

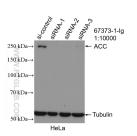
E: proteintech@ptglab.com W: ptglab.com

Group brand and is not available to purchase from any other manufacturer.

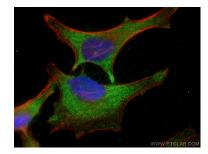
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67373-1-lg (ACC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



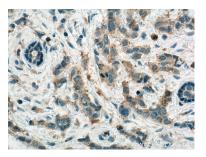
WB result of ACC1 antibody (67373-1-lg; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACC1 transfected HeLa cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ACC 1 antibody (67373-1-lg, Clone: 1A11G10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 67373-1-1g (ACC1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 67373-1-Ig (ACC1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).