

For Research Use Only

ACADM Monoclonal antibody, PBS Only



Catalog Number: 67742-1-PBS

Basic Information

Catalog Number: 67742-1-PBS	GenBank Accession Number: BC005377	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 34	CloneNo.: 1A11G6
Source: Mouse	UNIPROT ID: P11310	
Isotype: IgG1	Full Name: acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	
Immunogen Catalog Number: AG30620	Calculated MW: 421 aa, 47 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications:
WB, IF, IHC, Indirect ELISA

Species Specificity:
Human, rat, pig

Background Information

ACADM, also named as MCAD, belongs to the acyl-CoA dehydrogenase family. This enzyme is specific for acyl chain lengths of 4 to 16. It catalyzes the reaction: Acyl-CoA + acceptor = 2,3-dehydroacyl-CoA + reduced acceptor. Defects in ACADM are the cause of medium-chain acyl-CoA dehydrogenase deficiency (MCAD deficiency). This protein can exist as a dimer (PMID:8962055). This antibody is specific to ACADM.

Storage

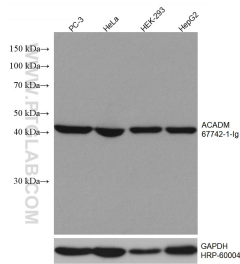
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

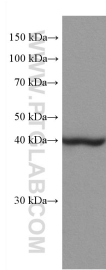
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

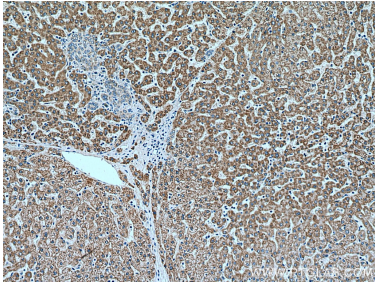
Selected Validation Data



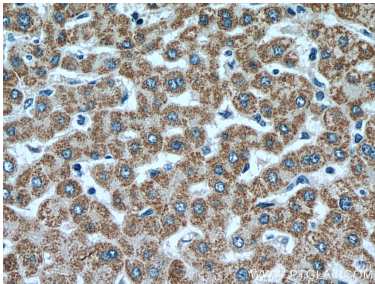
Various lysates were subjected to SDS PAGE followed by western blot with 67742-1-Ig (ACADM antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67742-1-PBS in a different storage buffer formulation.



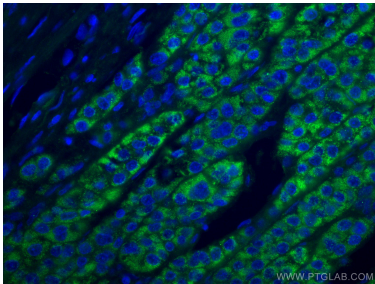
rat liver tissue were subjected to SDS PAGE followed by western blot with 67742-1-Ig (ACADM antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67742-1-PBS in a different storage buffer formulation.



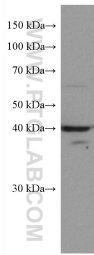
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67742-1-Ig (ACADM antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67742-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67742-1-Ig (ACADM antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67742-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using ACADM antibody (67742-1-Ig, Clone: 1A11G6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67742-1-PBS in a different storage buffer formulation.



HSC-T6 cells were subjected to SDS PAGE followed by western blot with 67742-1-Ig (ACADM antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67742-1-PBS in a different storage buffer formulation.