

For Research Use Only

ACOT1/2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 82122-5-PBS



Basic Information

Catalog Number: 82122-5-PBS	GenBank Accession Number: BC006335	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 10965	CloneNo.: 251453E1
Isotype: IgG	UNIPROT ID: P49753	
Immunogen Catalog Number: AG8093	Full Name: acyl-CoA thioesterase 2	
	Calculated MW: 483 aa, 53 kDa	
	Observed MW: 46-53 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

Acyl-CoA thioesterase (Acot)2 localizes to the mitochondrial matrix and hydrolyses long-chain fatty acyl-CoA into free FA and CoASH. Acot2 is expressed in highly oxidative tissues and is poised to modulate mitochondrial FA oxidation (FAO) (PMID: 25114170). The structure of ACOT2 consists of two domains, N and C domains, and the active site of ACOT2 is located at the interface between the N and C domains (PMID: 19497300). ACOT2 shares 98% homology with ACOT1, and this antibody can detect both ACOT1 and ACOT2.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

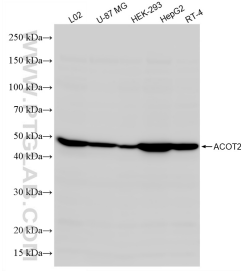
T: 4006900926

E: Proteintech-CN@ptglab.com

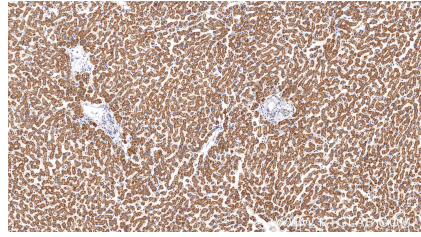
W: ptgcn.com

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

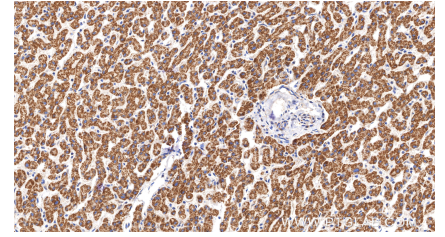
Selected Validation Data



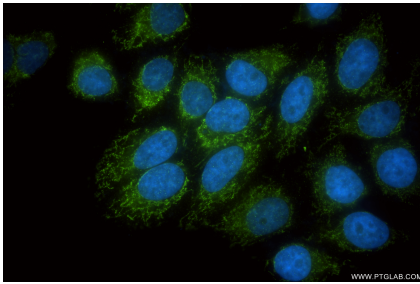
Various lysates were subjected to SDS PAGE followed by western blot with 82122-5-RR (ACOT1/2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82122-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 82122-5-RR (ACOT1/2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82122-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 82122-5-RR (ACOT2 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82122-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ACOT1/2 antibody (82122-5-RR, Clone: 251453E1) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 82122-5-PBS in a different storage buffer formulation.