

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
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 10965	CloneNo.: 251453E1
Source: Rabbit	UNIPROT ID: P49753	
Isotype: IgG	Full Name: acyl-CoA thioesterase 2	
Immunogen Catalog Number: AG8093	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

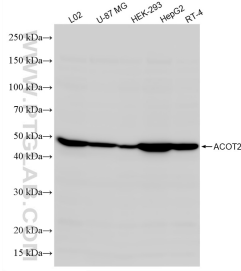
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

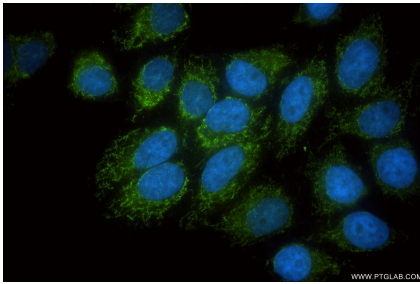
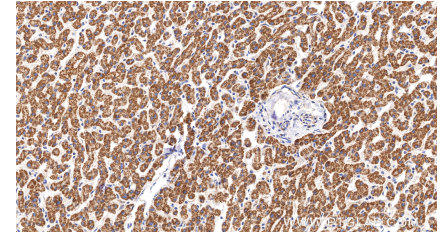
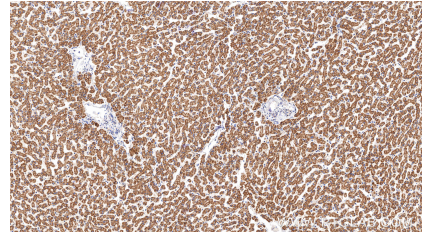
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



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.



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.