

For Research Use Only

ACAA1 Recombinant monoclonal antibody

Catalog Number: 87969-1-RR



Basic Information

Catalog Number: 87969-1-RR	GenBank Accession Number: BC011977	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 30	CloneNo.: 260194F9
Source: Rabbit	UNIPROT ID: P09110	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: acetyl-Coenzyme A acyltransferase 1	
Immunogen Catalog Number: AG2972	Calculated MW: 424 aa, 44 kDa	
	Observed MW: 41 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:
WB : A549 cells, SK-BR-3 cells, U-251 cells, HuH-7 cells, mouse liver tissue, rat liver tissue

Background Information

ACAA1 (acetyl-CoA acyltransferase 1) is an enzyme involved in lipid β -oxidation and provides substrates to the tricarboxylic acid (TCA) cycle, a critical step in cellular metabolism (PMID:33194642). ACAA1 is also a biomarker in type 2 diabetes (T2D), predicting the pre-diabetic metabolic signature in mouse models (PMID:25784953). Moreover, ACAA1 is highly expressed in TNBC, serving as a potential therapeutic target in ACAA1-high tumors and a predictive biomarker of resistance to CDK4/6 inhibitors for RB1-proficient patients (PMID:37129951).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

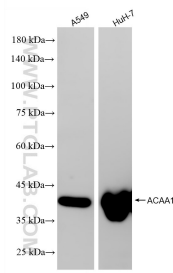
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

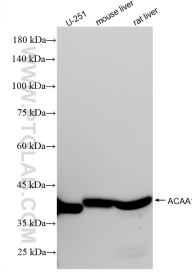
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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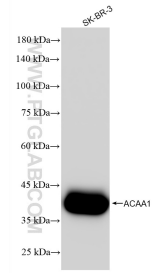
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87969-1-RR (ACAA1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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