

For Research Use Only

ACAA1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87969-1-PBS



Basic Information

Catalog Number: 87969-1-PBS	GenBank Accession Number: BC011977	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 30	CloneNo.: 260194F9
Source: Rabbit	UNIPROT ID: P09110	
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, Indirect ELISA

Species Specificity:
human, mouse, rat

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 -80°C .

Storage Buffer:
PBS only, pH7.3

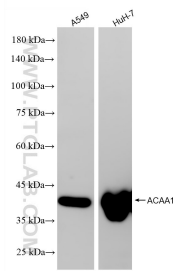
For technical support and original validation data for this product please contact:

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

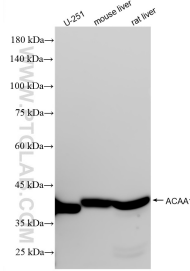
E: proteintech@ptglab.com
W: ptglab.com

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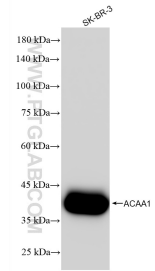
Selected Validation Data



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. This data was developed using the same antibody clone with 87969-1-PBS in a different storage buffer formulation.



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