

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
Source: Rabbit	GeneID (NCBI): 30	CloneNo.: 260194F9
Isotype: IgG	UNIPROT ID: P09110	
Immunogen Catalog Number: AG2972	Full Name: acetyl-Coenzyme A acyltransferase 1	
	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 .
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:

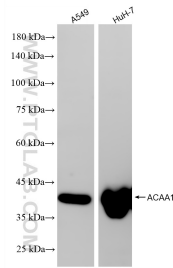
T: 4006900926

E: Proteintech-CN@ptglab.com

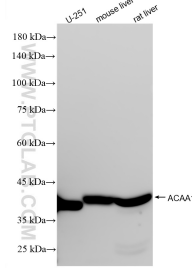
W: ptgcn.com

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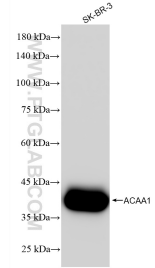
Selected Validation Data



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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