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ACSS3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8579c

Product Information

Application	WB, E
Primary Accession	Q9H6R3
Reactivity	Human
Predicted	Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22020
Calculated MW	74778
Antigen Region	224-251

Additional Information

Gene ID	79611
Other Names	Acyl-CoA synthetase short-chain family member 3, mitochondrial, Acyl-CoA synthetase short-chain family member 3, ACSS3
Target/Specificity	This ACSS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 224-251 amino acids from the Central region of human ACSS3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ACSS3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ACSS3
Function	Catalyzes the synthesis of acetyl-CoA from short-chain fatty acids (PubMed:28003429). Propionate is the preferred substrate (PubMed:28003429). Can utilize acetate and butyrate with a much lower

affinity (By similarity).

Cellular Location Mitochondrion matrix

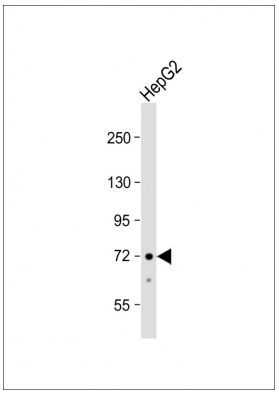
Background

ACSS3 activates acetate so that it can be used for lipid synthesis or for energy generation.

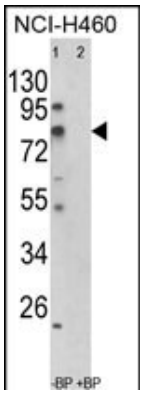
References

Watkins,P.A., Maiguel,D., et.al., J. Lipid Res. 48 (12), 2736-2750 (2007)

Images



Anti-ACSS3 Antibody (Center) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 75 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of ACSS3 Antibody (Center) (Cat. #AP8579c) in NCI-H460 cell line lysates (35ug/lane). ACSS3 (arrow) was detected using the purified Pab.(2ug/ml)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.