10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ACSS3 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8579c

Specification

ACSS3 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9H6R3

ACSS3 Antibody (Center) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP8579c was selected from the Center region of human ACSS3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ACSS3 Antibody (Center) Blocking Peptide - 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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ACSS3 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

ACSS3 Antibody (Center) Blocking Peptide - Images

ACSS3 Antibody (Center) Blocking Peptide - Background

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

ACSS3 Antibody (Center) Blocking Peptide - References

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