

ACAA1 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP19909c**Specification**

ACAA1 Blocking Peptide (Center) - Product Information

Primary Accession [P09110](#)
Other Accession [NP_001598.1](#)

ACAA1 Blocking Peptide (Center) - Additional Information

Gene ID 30

Other Names

3-ketoacyl-CoA thiolase, peroxisomal, Acetyl-CoA acyltransferase, Beta-ketothiolase, Peroxisomal 3-oxoacyl-CoA thiolase, ACAA1, ACAA, PTHIO

Target/Specificity

The synthetic peptide sequence is selected from aa 162-176 of HUMAN ACAA1

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.

ACAA1 Blocking Peptide (Center) - Protein Information

Name ACAA1 ([HGNC:82](#))

Synonyms ACAA, PTHIO

Function

Responsible for the thiolytic cleavage of straight chain 3- keto fatty acyl-CoAs (3-oxoacyl-CoAs) (PubMed:11734571, PubMed:2882519). Plays an important role in fatty acid peroxisomal beta-oxidation (PubMed:11734571, PubMed:2882519). Catalyzes the cleavage of short, medium, long, and very long straight chain 3- oxoacyl-CoAs (PubMed:11734571, PubMed:2882519).

Cellular Location

Peroxisome. Note=Transported into peroxisomes following association with PEX7.

ACAA1 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

ACAA1 Blocking Peptide (Center) - Images

ACAA1 Blocking Peptide (Center) - Background

This gene encodes an enzyme operative in the beta-oxidation system of the peroxisomes. Deficiency of this enzyme leads to pseudo-Zellweger syndrome. Alternative splicing results in multiple transcript variants.

ACAA1 Blocking Peptide (Center) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Han, S., et al. Hum. Immunol. 71(7):727-730(2010)
Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 19(5):1356-1361(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 18(5):1651-1658(2009)