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ACAA1 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP10146a

Specification

ACAA1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession	P09110
Other Accession	NP_001598.1, NP_001123882.1

ACAA1 Antibody (N-term) Blocking peptide - 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

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 Antibody (N-term) Blocking peptide - 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.

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ACAA1 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

ACAA1 Antibody (N-term) Blocking peptide - Images

ACAA1 Antibody (N-term) Blocking peptide - Background

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

ACAA1 Antibody (N-term) Blocking peptide - 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)