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SOAT2 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP16119a

Specification

SOAT2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O75908

SOAT2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 8435

Other Names
Sterol O-acyltransferase 2, Acyl-coenzyme A:cholesterol acyltransferase 2, ACAT-2, Cholesterol acyltransferase 2, SOAT2, ACACT2, ACAT2

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.

SOAT2 Antibody (N-term) Blocking Peptide - Protein Information

Name SOAT2 (HGNC:11178)

Synonyms ACACT2, ACAT2

Function
Catalyzes the formation of fatty acid-cholesterol esters, which are less soluble in membranes than cholesterol (PubMed:16647063, PubMed:11294643). Plays a role in lipoprotein assembly and dietary cholesterol absorption (PubMed:11294643). Utilizes oleoyl-CoA ((9Z)- octadecenoyl-CoA) and linolenoyl-CoA ((9Z,12Z,15Z)-octadecatrienoyl- CoA) as substrates (PubMed:11294643). May provide cholesteryl esters for lipoprotein secretion from hepatocytes and intestinal mucosa (PubMed:11294643).

Cellular Location
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:O88908}; Multi-pass membrane protein

Tissue Location
Expression seems confined in hepatocytes and enterocytes.

SOAT2 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

SOAT2 Antibody (N-term) Blocking Peptide - Images

SOAT2 Antibody (N-term) Blocking Peptide - Background

SOAT2 plays a role in lipoprotein assembly and dietary cholesterol absorption. In addition to its acyltransferase activity, it may act as a ligase. May provide cholesteryl esters for lipoprotein secretion from hepatocytes and intestinal mucosa.

SOAT2 Antibody (N-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Guey, L.T., et al. Eur. Urol. 57(2):283-292(2010)Hosgood, H.D. III, et al. Respir Med 103(12):1866-1870(2009)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Chen, S.N., et al. BMC Med. Genet. 10, 111 (2009) :