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ELOVL6 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP6524a

Specification

ELOVL6 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9H5J4

ELOVL6 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 79071

Other Names
Elongation of very long chain fatty acids protein 6, 3-keto acyl-CoA synthase ELOVL6, ELOVL fatty acid elongase 6, ELOVL FA elongase 6, Fatty acid elongase 2, hELO2, Fatty acyl-CoA elongase, Long-chain fatty-acyl elongase, Very-long-chain 3-oxoacyl-CoA synthase 6, ELOVL6, FACE, LCE

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6524a was selected from the N-term region of human ELOVL6. 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.

ELOVL6 Antibody (N-term) Blocking Peptide - Protein Information

Name ELOVL6 {ECO:0000255|HAMAP-Rule:MF_03206}

Synonyms FACE, LCE

Function
Catalyzes the first and rate-limiting reaction of the four reactions that constitute the long-chain fatty acids elongation cycle. This endoplasmic reticulum-bound enzymatic process allows the addition of 2 carbons to the chain of long- and very long-chain fatty acids (VLCFAs) per cycle. Condensing enzyme that elongates fatty acids with 12, 14 and 16 carbons with higher activity toward C16:0 acyl-CoAs. Catalyzes the synthesis of unsaturated C16 long chain fatty acids and, to a lesser extent, C18:0 and those with low desaturation degree. May participate in the production of saturated and monounsaturated VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators.

Cellular Location
Endoplasmic reticulum membrane {ECO:0000255|HAMAP-Rule:MF_03206, ECO:0000269|PubMed:20937905}; Multi- pass membrane protein {ECO:0000255|HAMAP-Rule:MF_03206}

Tissue Location
Ubiquitous..

ELOVL6 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ELOVL6 Antibody (N-term) Blocking Peptide - Images

ELOVL6 Antibody (N-term) Blocking Peptide - Background

Fatty acid elongases (EC 6.2.1.3), such as ELOVL6, use malonyl-CoA as a 2-carbon donor in the first and rate-limiting step of fatty acid elongation.

ELOVL6 Antibody (N-term) Blocking Peptide - References

Lu,Y., J. Lipid Res. 49 (12), 2582-2589 (2008)