

**ELOVL6 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6524a****Specification**

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**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](/products/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)