10320 Camino Santa Fe, Suite G
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ELOVL7 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16487b

Specification

ELOVL7 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession A1L3X0

ELOVL7 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 79993

Other Names
Elongation of very long chain fatty acids protein 7, 3-keto acyl-CoA synthase ELOVL7, ELOVL fatty acid elongase 7, ELOVL FA elongase 7, Very-long-chain 3-oxoacyl-CoA synthase 7, ELOVL7

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.

ELOVL7 Antibody (C-term) Blocking Peptide - Protein Information

Name ELOVL7 {ECO:0000255|HAMAP-Rule:MF_03207}

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 with higher activity toward C18 acyl-CoAs, especially C18:3(n-3) acyl-CoAs and C18:3(n-6)-CoAs. Also active toward C20:4-, C18:0-, C18:1-, C18:2- and C16:0-CoAs, and weakly toward C20:0-CoA. Little or no activity toward C22:0-, C24:0-, or C26:0-CoAs. May participate in the production of saturated and polyunsaturated 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_03207, ECO:0000269|PubMed:20937905}; Multi- pass membrane protein {ECO:0000255|HAMAP-Rule:MF_03207}

Tissue Location
Expressed in most tissues except heart and skeletal muscle.

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ELOVL7 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ELOVL7 Antibody (C-term) Blocking Peptide - Images

ELOVL7 Antibody (C-term) Blocking Peptide - Background

ELOVL7 could be implicated in synthesis of very long chain fatty acids and sphingolipids (By similarity).

ELOVL7 Antibody (C-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Tamura, K., et al. Cancer Res. 69(20):8133-8140(2009)Lehner, R., et al. Prog. Lipid Res. 35(2):169-201(1996)