

ELOVL6 antibody - C-terminal region

Rabbit Polyclonal Antibody Catalog # AI15120

Product Information

Application WB Primary Accession Q9H5J4

Other Accession NM 024090, NP 076995

ReactivityHuman, Mouse, Rat, Rabbit, Dog, Guinea Pig, Bovine **Predicted**Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 31376

Additional Information

Gene ID 79071

Alias Symbol FACE, FAE, FLJ23378, LCE, MGC5487

Other Names Elongation of very long chain fatty acids protein 6, 2.3.1.199, 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

Format Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium

azide and 2% sucrose.

Reconstitution & Storage Add 50 ul of distilled water. Final anti-ELOVL6 antibody concentration is 1

mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at

20°C. Avoid repeat freeze-thaw cycles.

Precautions ELOVL6 antibody - C-terminal region is for research use only and not for use

in diagnostic or therapeutic procedures.

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

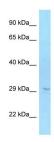
{ECO:0000255 | HAMAP-Rule:MF_03206}

Tissue Location Ubiquitous..

References

Ota T.,et al.Nat. Genet. 36:40-45(2004). Hillier L.W.,et al.Nature 434:724-731(2005). Ohno Y.,et al.Proc. Natl. Acad. Sci. U.S.A. 107:18439-18444(2010).

Images



WB Suggested Anti-ELOVL6 Antibody Titration: 1.0 μ g/ml Positive Control: Jurkat Whole Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.