

ELOVL3 Antibody(C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19871b**Specification**

ELOVL3 Antibody(C-term) - Product Information

Application	WB,E
Primary Accession	O9HB03
Other Accession	NP_689523.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31500
Antigen Region	241-270

ELOVL3 Antibody(C-term) - Additional Information**Gene ID** 83401**Other Names**

Elongation of very long chain fatty acids protein 3, 3-keto acyl-CoA synthase ELOVL3, Cold-inducible glycoprotein of 30 kDa, ELOVL fatty acid elongase 3, ELOVL FA elongase 3, Very-long-chain 3-oxoacyl-CoA synthase 3, ELOVL3, CIG30

Target/Specificity

This ELOVL3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 241-270 amino acids from the C-terminal region of human ELOVL3.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ELOVL3 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ELOVL3 Antibody(C-term) - Protein Information**Name** ELOVL3 {ECO:0000255|HAMAP-Rule:MF_03203}

Synonyms CIG30

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 exhibits activity toward saturated and unsaturated acyl-CoA substrates with higher activity toward C18 acyl-CoAs, especially C18:0 acyl-CoAs. 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_03203, ECO:0000269|PubMed:20937905}; Multi-pass membrane protein {ECO:0000255|HAMAP-Rule:MF_03203}

Tissue Location

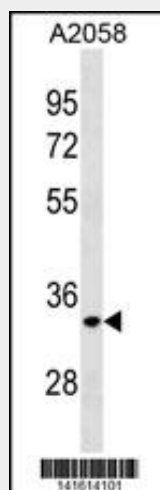
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ELOVL3 Antibody(C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ELOVL3 Antibody(C-term) - Images



ELOVL3 Antibody (C-term) (Cat. #AP19871b) western blot analysis in A2058 cell line lysates (35ug/lane). This demonstrates the ELOVL3 antibody detected the ELOVL3 protein (arrow).

ELOVL3 Antibody(C-term) - Background

ELOVL3 plays a role in fatty acid chain elongation and

formation of neutral lipids required for skin barrier function
(Westerberg et al., 2004 [PubMed 14581464]).

ELOVL3 Antibody(C-term) - References

Kobayashi, T., et al. FEBS Lett. 581(17):3157-3163(2007)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Westerberg, R., et al. J. Biol. Chem. 279(7):5621-5629(2004)
Monne, M., et al. Eur. J. Biochem. 263(1):264-269(1999)
Lehner, R., et al. Prog. Lipid Res. 35(2):169-201(1996)