

ELOVL6 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS12410**Specification**

ELOVL6 Antibody (N-Terminus) - Product Information

Application	IF, IHC
Primary Accession	O9H5J4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31kDa KDa

ELOVL6 Antibody (N-Terminus) - Additional Information**Gene ID** 79071**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

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

ELOVL6 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

ELOVL6 Antibody (N-Terminus) - 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}

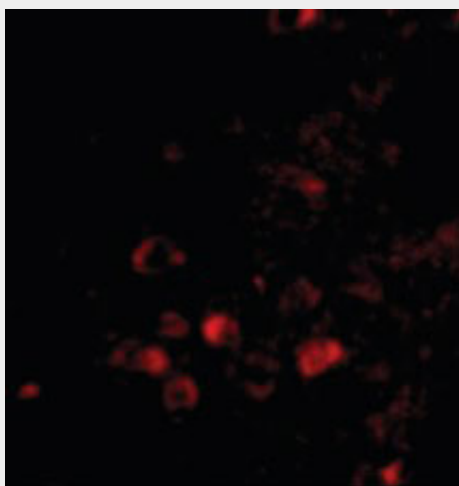
Tissue Location

Ubiquitous..

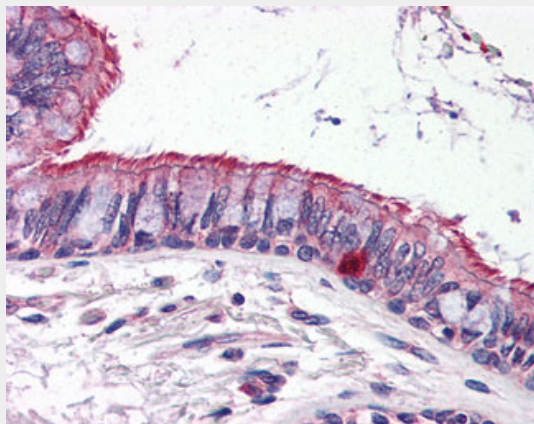
ELOVL6 Antibody (N-Terminus) - Protocols

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](#)

ELOVL6 Antibody (N-Terminus) - Images

Immunofluorescence of ELOVL6 in Human Brain cells with ELOVL6 antibody at 20 ug/ml.



Anti-ELOVL6 antibody IHC of human lung.

ELOVL6 Antibody (N-Terminus) - Background

Condensing enzyme that catalyzes the synthesis of saturated and monounsaturated fatty acids.
Highest activity toward C16:0 acyl-CoAs.

ELOVL6 Antibody (N-Terminus) - 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).