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Anti-HELO1 / ELOVL5 Antibody (N-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17680

Specification

Anti-HELO1 / ELOVL5 Antibody (N-Terminus) - Product Information

Application	**IHC-P**
Primary Accession	Q9NYP7
Predicted	**Human, Monkey, Chicken**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**35293**
Dilution	**IHC-P~~N/A**

Anti-HELO1 / ELOVL5 Antibody (N-Terminus) - Additional Information

Gene ID 60481

Alias Symbol	**ELOVL5**

Other Names
ELOVL5, ELOVL FA elongase 5, ELOVL fatty acid elongase 5, Fatty acid elongase 1, RP3-483K16.1, DJ483K16.1, HELO1

Target/Specificity
Human ELOVL5. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Immunoaffinity purified

Precautions
Anti-HELO1 / ELOVL5 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-HELO1 / ELOVL5 Antibody (N-Terminus) - Protein Information

Name ELOVL5 {ECO:0000255|HAMAP-Rule:MF_03205}

Synonyms ELOVL2

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 acts specifically toward polyunsaturated acyl-CoA with the higher activity toward C18:3(n-6) acyl-CoA. May participate in the production of monounsaturated and of polyunsaturated VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators (By similarity) (PubMed:<a

href="http://www.uniprot.org/citations/10970790" target="_blank">10970790, PubMed:20937905). In conditions where the essential linoleic and alpha linoleic fatty acids are lacking it is also involved in the synthesis of Mead acid from oleic acid (By similarity).

Cellular Location
Endoplasmic reticulum membrane {ECO:0000255|HAMAP-Rule:MF_03205, ECO:0000269|PubMed:20937905}; Multi- pass membrane protein {ECO:0000255|HAMAP-Rule:MF_03205}. Cell projection, dendrite {ECO:0000255|HAMAP-Rule:MF_03205, ECO:0000269|PubMed:25065913}. Note=In Purkinje cells, the protein localizes to the soma and proximal portion of the dendritic tree {ECO:0000255|HAMAP-Rule:MF_03205, ECO:0000269|PubMed:25065913}

Tissue Location
Ubiquitous. Highly expressed in the adrenal gland and testis. Weakly expressed in prostate, lung and brain. Expressed in the cerebellum.

Anti-HELO1 / ELOVL5 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 Cytomety
- Cell Culture

Anti-HELO1 / ELOVL5 Antibody (N-Terminus) - Images