

**Product Name: ELOVL5 (18Q15) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe10426**



## Summary

<b>Production Name</b>	ELOVL5 (18Q15) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	ELOVL5 {ECO:0000255 HAMAP-Rule:MF_03205} 3 keto acyl CoA synthase ELOVL5; Elongation of very long chain fatty acids like 5; ELOVL 5; ELOVL family member 5; ELOVL family member 5 elongation of long chain fatty acids; ELOVL fatty acid elongase 5; ELOVL2; elovl5; Fatty acid elongase 1; hELO1; RP3 483K16.1; RP3-483K16.1;
<b>Alternative Names</b>	
<b>Gene ID</b>	60481.0
<b>SwissProt ID</b>	Q9NYP7.A synthetic peptide of human ELOVL5

## Application

<b>Dilution Ratio</b>	WB: 1:1000
<b>Molecular Weight</b>	35kDa

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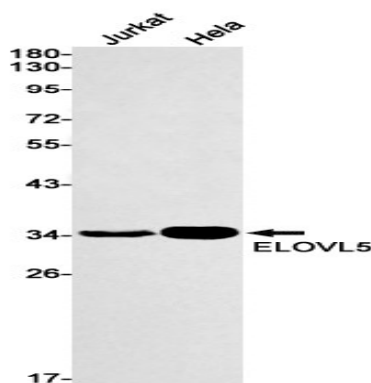


## Background

Condensing enzyme that catalyzes the synthesis of monounsaturated and of polyunsaturated very long chain fatty acids. Acts specifically toward polyunsaturated acyl-CoA with the higher activity toward C18:3(n-6) acyl-CoA. 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: [10970790](http://www.uniprot.org/citations/10970790), PubMed: [20937905](http://www.uniprot.org/citations/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).

## Research Area

## Image Data



Western blot detection of ELOVL5 in Jurkat, HeLa cell lysates using ELOVL5 antibody (1:1000 diluted).

## Note

For research use only.