

## ELOVL5 Monoclonal Antibody | anti-ELOVL5 antibody

ELOVL5 Rabbit mAb

|                               |                                   |                                        |                                                         |
|-------------------------------|-----------------------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA314249</b> | HOST<br><b>Recombinant Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------------------|----------------------------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

ELOVL5; Monoclonal Antibody; ELOVL5 Rabbit mAb; ELOVL FA elongase 5; Fatty acid elongase 1; hELO1; Very long chain 3-ketoacyl-CoA synthase 5; anti-ELOVL5 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                        |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Host                                             | Recombinant Rabbit                                                                                     |
| Reactivity                                       | Human, Mouse, Rat                                                                                      |
| Clonality                                        | Monoclonal                                                                                             |
| Isotype                                          | Rabbit IgG                                                                                             |
| Clone Number                                     | S07-7B3                                                                                                |
| Purity/Purification                              | Affinity Purified                                                                                      |
| Form/Format                                      | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA                  |
| Concentration                                    | 0.3mg/ml (varies by lot)                                                                               |
| Applicable Applications for anti-ELOVL5 antibody | IF (Immunofluorescence), WB (Western Blot)                                                             |
| Immunogen                                        | A synthetic peptide of human ELOVL5                                                                    |
| Conjugation                                      | Unconjugated                                                                                           |
| Modification                                     | Unmodification                                                                                         |
| Preparation and Storage                          | Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles. |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence of ELOVL5(green) in HeLa cells using ELOVL5 Rabbit mAb at dilution 1/200, and DAPI(blue)



#### WB (Western Blot)

Western blot detection of ELOVL5 in Jurkat, HeLa cell lysates using ELOVL5 Rabbit mAb(1:1000 diluted). Predicted band size: 35kDa. Observed band size: 35kDa.

### ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Related Product Information for anti-ELOVL5 antibody | 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, PubMed:20937905). |
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## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 338827646                                                                                                                                                                                                                                                      |
| NCBI GeneID                      | 60481                                                                                                                                                                                                                                                          |
| NCBI Accession #                 | NP_001229757.1                                                                                                                                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001242828.1                                                                                                                                                                                                                                                 |
| UniProt Accession #              | Q9NYP7; Q59EL3; Q5TGH5; Q6NXE7; Q7L2S5; Q8NCG4; Q9UI22; B4DZJ2; F6SH78                                                                                                                                                                                         |
| Molecular Weight                 | 35,293 Da                                                                                                                                                                                                                                                      |
| NCBI Official Full Name          | elongation of very long chain fatty acids protein 5 isoform 2                                                                                                                                                                                                  |
| NCBI Official Synonym Full Names | ELOVL fatty acid elongase 5                                                                                                                                                                                                                                    |
| NCBI Official Symbol             | ELOVL5                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | HELO1; dJ483K16.1; RP3-483K16.1                                                                                                                                                                                                                                |
| NCBI Protein Information         | elongation of very long chain fatty acids protein 5; ELOVL FA elongase 5; fatty acid elongase 1; 3-keto acyl-CoA synthase ELOVL5; very-long-chain 3-oxoacyl-CoA synthase 5; homolog of yeast long chain polyunsaturated fatty acid elongatio; homolog of yeast |
| UniProt Protein Name             | Elongation of very long chain fatty acids protein 5                                                                                                                                                                                                            |
| UniProt Gene Name                | <b>ELOVL5</b>                                                                                                                                                                                                                                                  |
| UniProt Synonym Gene Names       | ELOVL2; ELOVL FA elongase 5; hELO1                                                                                                                                                                                                                             |
| UniProt Entry Name               | ELOV5_HUMAN                                                                                                                                                                                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/elovl5-antibody-clone-s07-7b3-immunofluorescence-western-blot-elisa/314249>