

## Rabbit anti-Human, Mouse ELOVL7 Polyclonal Antibody | anti-ELOVL7 antibody

ELOVL7 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                  |
|-----------|--------|--------------|---------------------------------------------------------------|
| AAA40031  | Rabbit | Human, Mouse | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

### PRODUCT SYNONYMS

ELOVL7; Polyclonal Antibody; ELOVL7 Antibody; Elongation of very long chain fatty acids protein 7; 3-keto acyl-CoA synthase ELOVL7; ELOVL FA elongase 7; ELOVL family member 7; elongation of long chain fatty acids (yeast); anti-ELOVL7 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                         |
| Reactivity                                       | Human, Mouse                                                                                                   |
| Clonality                                        | Polyclonal                                                                                                     |
| Isotype                                          | IgG                                                                                                            |
| Purity/Purification                              | ELOVL7 Antibody is affinity chromatography purified via peptide column.                                        |
| Form/Format                                      | Liquid                                                                                                         |
| Concentration                                    | 1 mg/mL (varies by lot)                                                                                        |
| Sequence Length                                  | 281                                                                                                            |
| Applicable Applications for anti-ELOVL7 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                  |
| Conjugate                                        | Unconjugated                                                                                                   |
| Immunogen                                        | ELOVL7 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human ELOVL7.  |
| Buffer                                           | ELOVL7 Antibody is supplied in PBS containing 0.02% sodium azide.                                              |
| Preparation and Storage                          | Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures. |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence of ELOVL7 in human liver tissue with ELOVL7 antibody at 20 µg/mL.



#### IHC (Immunohistochemistry)

Immunohistochemistry of ELOVL7 in human liver tissue with ELOVL7 antibody at 5 µg/mL.



#### WB (Western Blot)

Western blot analysis of ELOVL7 in human liver tissue lysate with ELOVL7 antibody at 1 µg/mL.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Related Product Information for anti-ELOVL7 antibody | ELOVL7 Antibody: Lipogenesis is a key event in the energy storage system and is controlled by the transcription factor sterol regulatory element-binding protein (SREBP)-1. Elongation of very long chain fatty acids protein 7 (ELOVL7) is a member of fatty acyl-CoA elongase gene family that elongates saturated very-long-chain fatty acids (SVLFA, C20:0-) and has been suggested to be involved in prostate cancer growth through saturated long-chain fatty acid metabolism. The metabolic pathways of long-chain fatty acids play an important role in the maintenance of membrane lipid composition and the generation of cell signaling precursor molecules such as eicosanoids and sphingosine-1 phosphate. Overexpression of ELOVL7 results in lipid accumulation in differentiated adipocytes; its expression is regulated by the microRNA miR-219. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 157388949                                                                                                                                                                                                        |
| NCBI GeneID                      | 79993                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_001098028                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_001104558.1                                                                                                                                                                                                   |
| UniProt Accession #              | A1L3X0; Q589T3; Q9H5D0; Q9NT66                                                                                                                                                                                   |
| Molecular Weight                 | 33,356 Da                                                                                                                                                                                                        |
| NCBI Official Full Name          | elongation of very long chain fatty acids protein 7 isoform 1                                                                                                                                                    |
| NCBI Official Synonym Full Names | ELOVL fatty acid elongase 7                                                                                                                                                                                      |
| NCBI Official Symbol             | ELOVL7                                                                                                                                                                                                           |
| NCBI Protein Information         | elongation of very long chain fatty acids protein 7; ELOVL FA elongase 7; 3-keto acyl-CoA synthase ELOVL7; very-long-chain 3-oxoacyl-CoA synthase 7; ELOVL family member 7, elongation of long chain fatty acids |
| UniProt Protein Name             | Elongation of very long chain fatty acids protein 7                                                                                                                                                              |
| UniProt Gene Name                | ELOVL7                                                                                                                                                                                                           |
| UniProt Synonym Gene Names       | ELOVL FA elongase 7                                                                                                                                                                                              |
| UniProt Entry Name               | ELOV7_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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