

## Rabbit ELOVL6 Polyclonal Antibody | anti-ELOVL6 antibody

ELOVL6 Antibody

|                              |                       |                                        |                                                                                      |
|------------------------------|-----------------------|----------------------------------------|--------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA40087</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot, ELISA</b> |
|------------------------------|-----------------------|----------------------------------------|--------------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

ELOVL6; Polyclonal Antibody; ELOVL6 Antibody; FAE; LCE; FACE; Elongation of very long chain fatty acids protein 6; 3-keto acyl-CoA synthase ELOVL6; ELOVL FA elongase 6; ELOVL family member 6; elongation of long chain fatty acids (FEN1/Elo2; SUR4/Elo3-like; yeast); anti-ELOVL6 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                              |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                       |
| Reactivity                                       | Human, Mouse, Rat                                                                                                                                                                                                                                            |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                   |
| Isotype                                          | IgG                                                                                                                                                                                                                                                          |
| Purity/Purification                              | ELOVL6 Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                      | Liquid                                                                                                                                                                                                                                                       |
| Concentration                                    | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                      |
| Sequence Length                                  | 265                                                                                                                                                                                                                                                          |
| Applicable Applications for anti-ELOVL6 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                                                |
| Conjugate                                        | Unconjugated                                                                                                                                                                                                                                                 |
| Immunogen                                        | ELOVL6 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of the human ELOVL6.                                                                                                                                            |
| Buffer                                           | ELOVL6 Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                          | ELOVL6 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence of ELOVL6 in Human Brain tissue with ELOVL6 antibody at 20 µg/mL.



#### IHC (Immunohistochemistry)

Immunohistochemistry of ELOVL6 in human brain tissue with ELOVL6 antibody at 5 µg/mL.



**WB (Western Blot)**

Western blot analysis of ELOVL6 in Human brain tissue lysate with ELOVL6 antibody at (A) 1 and (B) 2 &#956;g/mL.

**ADDITIONAL INFORMATION**

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| Related Product Information for anti-ELOVL6 antibody | ELOVL6 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 6 (ELOVL6) is a member of fatty acyl-CoA elongase gene family that converts palmitic to stearic acid and it has been shown to be a target of SREBP-1, playing an important role in de novo synthesis of long-chain saturated and monosaturated fatty acids in conjunction with fatty acid synthase and stearoyl-CoA desaturase ELOVL6 was predicted to be important for tissue fatty acid composition. Recent studies suggest that inhibition of this elongase could be a new therapeutic approach for ameliorating insulin resistance, diabetes and cardiovascular risks, even in the presence of a continuing state of obesity. |
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**NCBI AND UNIPROT INFORMATION**

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|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 13129088                                                                                                                                                                                                                                                                                                                                   |
| NCBI GeneID                      | 79071                                                                                                                                                                                                                                                                                                                                      |
| NCBI Accession #                 | NP_076995                                                                                                                                                                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_024090.2                                                                                                                                                                                                                                                                                                                                |
| UniProt Accession #              | Q9H5J4; Q4W5L0; Q8NCD1                                                                                                                                                                                                                                                                                                                     |
| Molecular Weight                 | 31,376 Da                                                                                                                                                                                                                                                                                                                                  |
| NCBI Official Full Name          | elongation of very long chain fatty acids protein 6                                                                                                                                                                                                                                                                                        |
| NCBI Official Synonym Full Names | ELOVL fatty acid elongase 6                                                                                                                                                                                                                                                                                                                |
| NCBI Official Symbol             | ELOVL6                                                                                                                                                                                                                                                                                                                                     |
| NCBI Official Synonym Symbols    | FAE; LCE; FACE                                                                                                                                                                                                                                                                                                                             |
| NCBI Protein Information         | elongation of very long chain fatty acids protein 6; hELO2; ELOVL FA elongase 6; fatty acid elongase 2; fatty acyl-CoA elongase; long-chain fatty-acyl elongase; 3-keto acyl-CoA synthase ELOVL6; very-long-chain 3-oxoacyl-CoA synthase 6; ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast) |
| UniProt Protein Name             | Elongation of very long chain fatty acids protein 6                                                                                                                                                                                                                                                                                        |
| UniProt Gene Name                | ELOVL6                                                                                                                                                                                                                                                                                                                                     |
| UniProt Synonym Gene Names       | FACE; LCE; ELOVL FA elongase 6; hELO2                                                                                                                                                                                                                                                                                                      |
| UniProt Entry Name               | ELOV6_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.