

## Rabbit anti-Human ELOVL1 Polyclonal Antibody | anti-ELOVL1 antibody

ELOVL1 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                    |
|-----------|--------|------------|-------------------------------------------------|
| AAA118569 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, ELISA |

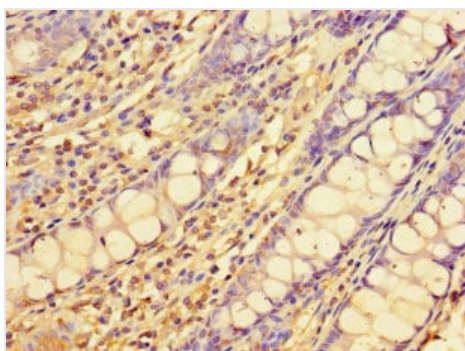
### PRODUCT SYNONYMS

ELOVL1; Polyclonal Antibody; ELOVL1 Antibody; Elongation of very long chain fatty acids protein 1Curated (EC:2.3.1.1992 Publications; SSC1; CGI-88; 3-keto acyl-CoA synthase ELOVL1; ELOVL fatty acid elongase 1; ELOVL FA elongase 1; Very-long-chain 3-oxoacyl-CoA synthase 1; anti-ELOVL1 antibody

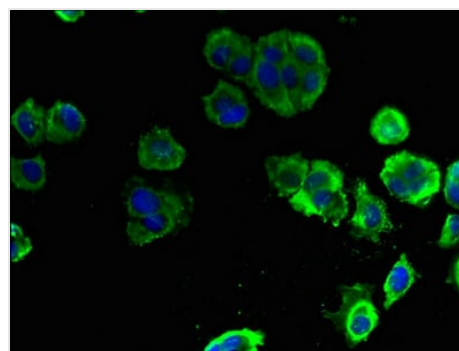
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                         |
| Reactivity                                       | Human                                                                                                          |
| Clonality                                        | Polyclonal                                                                                                     |
| Isotype                                          | IgG                                                                                                            |
| Purity/Purification                              | >95%, Protein G Purified                                                                                       |
| Sequence Length                                  | 279                                                                                                            |
| Applicable Applications for anti-ELOVL1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                                                     |
| Storage Buffer                                   | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                               |
| Conjugate                                        | Non-conjugated                                                                                                 |
| Immunogen                                        | Recombinant human Elongation of very long chain fatty acids protein 1 protein                                  |
| Santa Cruz Alternative                           | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-54870 / sc-135058                      |
| Preparation and Storage                          | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human rectum tissue using AAA118569 at dilution of 1:100


**IF (Immunofluorescence)**

Immunofluorescent analysis of MCF-7 cells using AAA118569 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ELOVL1 antibody | Catalyzes the first and rate-limiting reaction of the four 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 exhibits activity toward saturated C18 to C26 acyl-CoA substrates, with the highest activity towards C22:0 acyl-CoA. May participate to the production of both saturated and monounsaturated VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators. Important for saturated C24:0 and monounsaturated C24:1 sphingolipid synthesis. Indirectly inhibits RPE65 via production of VLCFAs. |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI GI #                        | 373938448                                                     |
| NCBI GeneID                      | 64834                                                         |
| NCBI Accession #                 | NP_001243328.1                                                |
| NCBI GenBank Nucleotide #        | NM_001256399.1                                                |
| UniProt Accession #              | Q9BW60; Q53HT2; Q5JUY3; Q8WXU3; Q9NVD9; Q9Y396; B4DP24        |
| Molecular Weight                 | 29,485 Da                                                     |
| NCBI Official Full Name          | elongation of very long chain fatty acids protein 1 isoform 1 |
| NCBI Official Synonym Full Names | ELOVL fatty acid elongase 1                                   |
| NCBI Official Symbol             | ELOVL1                                                        |
| NCBI Official Synonym Symbols    | Ssc1; CGI-88                                                  |
| NCBI Protein Information         | elongation of very long chain fatty acids protein 1           |
| UniProt Protein Name             | Elongation of very long chain fatty acids protein 1           |
| UniProt Gene Name                | ELOVL1                                                        |
| UniProt Synonym Gene Names       | ELOVL FA elongase 1                                           |
| UniProt Entry Name               | ELOV1_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://www.aaabiotech.com/polyclonal/elovl1-antibody-immunofluorescence-immunohistochemistry-elisa/118569>