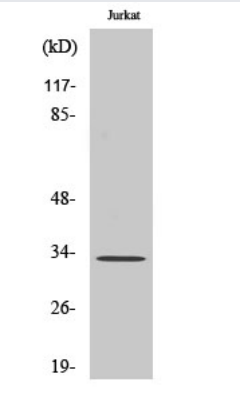
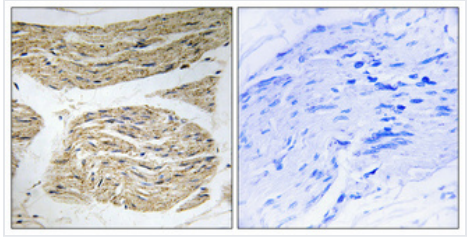
ELOVL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

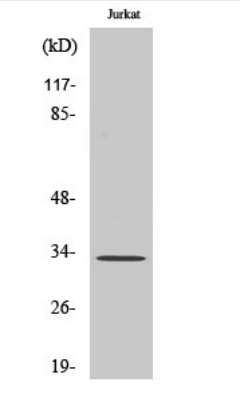
Product Name	ELOVL1, Polyclonal Antibody
Full Product Name	ELOVL1 Polyclonal Antibody
Product Gene Name	anti-ELOVL1 antibody
Product Synonym Names	ELOVL1; SSC1; CGI-88; Elongation of very long chain fatty acids protein 1; 3-keto acyl-CoA synthase ELOVL1; ELOVL fatty acid elongase 1; ELOVL FA elongase 1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	32,663 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (43829068..43833745, complement). Location: 1p34.2
OMIM	611813
3D Structure	ModBase 3D Structure for Q9BW60
Applications Tested/Suitable for anti-ELOVL1 antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P)
Related Product Information for anti-ELOVL1 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 exhibits activity toward saturated C18 to C26 acyl-CoA substrates, with the highest activity towards C22:0 acyl-CoA. May participate in 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.
Other Notes	Small volumes of anti-ELOVL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ELOVL1 purchase	MBS9243529 is an antibody targeting ELOVL1. Also known as ELOVL1 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



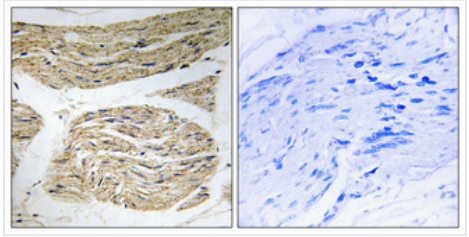
Wester Blot (WB) of anti-ELOVL1 antibody
Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.



Immunohistochemistry (IHC)-Paraffin of anti-ELOVL1 antibody
Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.



Western Blot (WB) of anti-ELOVL1 antibody
Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.



Immunohistochemistry (IHC)-Paraffin of anti-ELOVL1 antibody
Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ELOVL1. It may not necessarily be applicable to this product.

NCBI GI #	373938448
NCBI GeneID	64834
NCBI Accession #	NP_001243328.1
UniProt Primary Accession #	Q9BW60
UniProt Secondary Accession #	Q53HT2; Q5JUY3; Q8WXU3; Q9NVD9; Q9Y396; B4DP24
UniProt Related Accession #	Q9BW60
GenBank Nucleotide #	NM_001256399.1
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
UniProt Protein Name	Elongation of very long chain fatty acids protein 1
UniProt Synonym Protein Names	3-keto acyl-CoA synthase ELOVL1; ELOVL fatty acid elongase 1; ELOVL FA elongase 1; Very-long-chain 3-oxoacyl-CoA synthase 1
Protein Family	Elongation of very long chain fatty acids protein

UniProt Gene Name	ELOVL1
UniProt Synonym Gene Names	SSC1; ELOVL FA elongase 1
UniProt Entry Name	ELOV1_HUMAN
NCBI Protein Information	elongation of very long chain fatty acids protein 1; ELOVL FA elongase 1; 3-keto acyl-CoA synthase ELOVL1; very-long-chain 3-oxoacyl-CoA synthase 1; elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1
UniProt Comments for ELOVL1	ELOVL1: Condensing enzyme that catalyzes the synthesis of both saturated and monounsaturated very long chain fatty acids. Exhibits activity toward saturated C18 to C26 acyl-CoA substrates, with the highest activity towards C22:0 acyl-CoA. Important for saturated C24:0 and monounsaturated C24:1 sphingolipid synthesis. Belongs to the ELO family. Protein type: EC 2.3.1.199; Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 1p34.2 Cellular Component: endoplasmic reticulum membrane; membrane; endoplasmic reticulum; integral to endoplasmic reticulum membrane Molecular Function: protein binding; fatty acid elongase activity Biological Process: sphingolipid biosynthetic process; very-long-chain fatty acid biosynthetic process; triacylglycerol biosynthetic process; cellular lipid metabolic process; fatty acid elongation, saturated fatty acid
Research Articles on ELOVL1	**1.** ELOVL1 activity is regulated with the ceramide synthase CERS2, an enzyme essential for C24 sphingolipid synthesis.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/elovl1/9243529