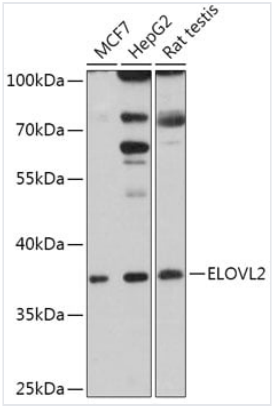
ELOVL2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ELOVL2, Polyclonal Antibody
Full Product Name	ELOVL2 Rabbit pAb
Product Gene Name	anti-ELOVL2 antibody
Product Synonym Names	SSC2; ELOVL2
Immunogen Sequence	ILFLNFYVQT YRKKPMKKDM QEPPAGKEVK NGFSKAYFTA ANGVMNKKAQ
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	34,585 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (10980992..11044624, complement). Location: 6p24.2
OMIM	611814
3D Structure	ModBase 3D Structure for Q9NXB9
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 247-296 of human ELOVL2 (NP_060240.3).
Positive Samples	MCF7, HepG2, Rat testis
Product Categories/Family for anti-ELOVL2 antibody	Endocrine & Metabolism; Endocrine and metabolic diseases; Diabetes; Research; Cardiovascular; Lipids; Fatty Acids; Research; Cardiovascular; Cardiovascular diseases; Heart disease
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ELOVL2 antibody	Western Blot (WB)
Application Notes for anti-ELOVL2 antibody	WB: 1:500-1:2000
Related Product Information for anti-ELOVL2 antibody	MBS9142956 is an antibody targeting ELOVL2. Also known as ELOVL2 Rabbit pAb. Reactive in Human, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-ELOVL2 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.



Western Blot (WB) of anti-ELOVL2 antibody
Western blot analysis of extracts of various cell lines, using ELOVL2 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ELOVL2. It may not necessarily be applicable to this product.

NCBI GI #	157388945
NCBI GeneID	54898
NCBI Accession #	NP_060240.3
UniProt Primary Accession #	Q9NXB9
UniProt Secondary Accession #	Q6P9E1; Q86W94
UniProt Related Accession #	Q9NXB9
GenBank Nucleotide #	NM_017770.3
NCBI Official Full Name	elongation of very long chain fatty acids protein 2
NCBI Official Synonym Full Names	ELOVL fatty acid elongase 2
NCBI Official Symbol	ELOVL2
NCBI Official Synonym Symbols	SSC2
UniProt Protein Name	Elongation of very long chain fatty acids protein 2
UniProt Synonym Protein Names	3-keto acyl-CoA synthase ELOVL2; ELOVL fatty acid elongase 2; ELOVL FA elongase 2; Very-long-chain 3-oxoacyl-CoA synthase 2
Protein Family	Elongation of very long chain fatty acids protein
UniProt Gene Name	ELOVL2
UniProt Synonym Gene Names	SSC2; ELOVL FA elongase 2
UniProt Entry Name	ELOV2_HUMAN
NCBI Protein Information	elongation of very long chain fatty acids protein 2; ELOVL FA elongase 2; 3-keto acyl-CoA synthase ELOVL2; very-long-chain 3-oxoacyl-CoA synthase 2; elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2

UniProt Comments for ELOVL2	ELOVL2: Condensing enzyme that catalyzes the synthesis of polyunsaturated very long chain fatty acid (C20- and C22-PUFA). Acts specifically toward polyunsaturated acyl-CoA with the higher activity toward C20:4(n-6) acyl-CoA. Belongs to the ELO family. Protein type: Membrane protein, multi-pass; Lipid Metabolism - unsaturated fatty acid biosynthesis; EC 2.3.1.199; Membrane protein, integral Chromosomal Location of Human Ortholog: 6p24.2 Cellular Component: endoplasmic reticulum membrane; endoplasmic reticulum; integral to membrane Molecular Function: protein binding; fatty acid elongase activity Biological Process: unsaturated fatty acid metabolic process; very-long-chain fatty acid biosynthetic process; linoleic acid metabolic process; triacylglycerol biosynthetic process; unsaturated fatty acid biosynthetic process; cellular lipid metabolic process
Research Articles on ELOVL2	**1.** we do not found the association between rs3756593 of ELOVL2 gene and acute coronary syndrome in Chinese Han population
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-rat-antibody/elovl2/9142956