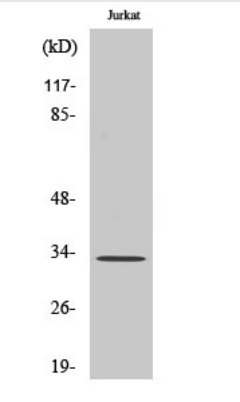
ELOVL1 Antibody – Rabbit Polyclonal

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
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	ELOVL1 Polyclonal Antibody detects endogenous levels of ELOVL1 protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	29,485 Da
OMIM	611813
3D Structure	ModBase 3D Structure for Q9BW60
Immunogen Type	peptide
Immunogen Description	Synthesized peptide derived from the Internal region of human ELOVL1.
Target Name	ELOVL1
Product Categories/Family for anti-ELOVL1 antibody	Total protein Ab
Applications Tested/Suitable for anti-ELOVL1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-ELOVL1 antibody	Western Blot: 1:500 - 1:2000 ELISA: 1:40000 Not yet tested in other applications.
Related Product Information for anti-ELOVL1 antibody	MBS9413917 is an antibody targeting ELOVL1. Also known as ELOVL1 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.
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.



Western Blot (WB) of anti-ELOVL1 antibody
Western Blot analysis of HepG2 cells using ELOVL1 Polyclonal Antibody

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

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, integral; Membrane protein, multi-pass 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.** ELOV1 promotes very long-chain fatty acid accumulation X-linked adrenoleukodystrophy and is inhibited by CoA esters of bezafibrate and gemfibrozil.
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