

Rabbit anti-Human, Mouse ELOVL5 Polyclonal Antibody | anti-ELOVL5 antibody

ELOVL5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324709	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

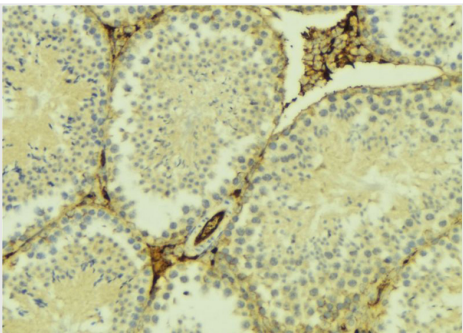
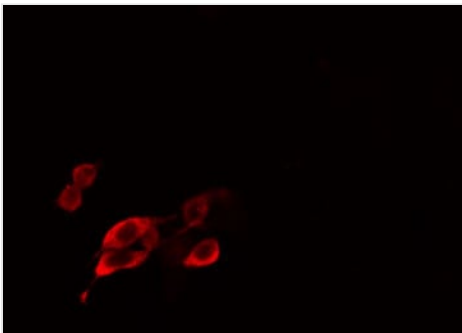
PRODUCT SYNONYMS

ELOVL5; Polyclonal Antibody; ELOVL5 Antibody; 3 keto acyl CoA synthase ELOVL5; 3-keto acyl-CoA synthase Elov5; dJ483K16.1; Elongation of very long chain fatty acids like 5; Elongation of very long chain fatty acids protein 5; ELOV5_HUMAN; ELOVL 5; ELOVL family member 5; ELOVL family member 5 elongation of long chain fatty acids; elongation of long chain fatty acids (FEN1/Elo2; SUR4/Elo3-like; yeast); ELOVL fatty acid elongase 5; ELOVL2; elov5; Fatty acid elongase 1; hELO1; Homolog of yeast long chain polyunsaturated fatty acid elongation enzyme 2; OTTHUMP00000017867; RP3 483K16.1; RP3-483K16.1; anti-ELOVL5 antibody

PRODUCT SPECIFICATIONS

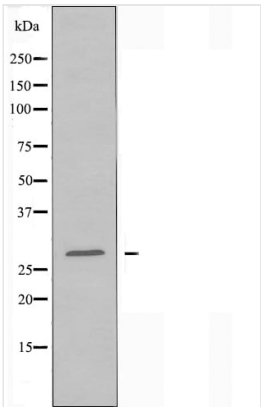
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ELOVL5 antibody detects endogenous levels of total ELOVL5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	326
Applicable Applications for anti-ELOVL5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Membrane.
Tissue Specificity	Ubiquitous. Highly expressed in the adrenal gland and testis. Weakly expressed in prostate, lung and brain. Expressed in the cerebellum.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog
Similarity	Pig (89%), Bovine (90%), Sheep (90%), Rabbit (90%), Dog (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324709 staining MCF7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

IHC (Immunohiostchemistry)
AAA324709 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from MCF-7 cells, using ELOVL5 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ELOVL5 antibody	Function: 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 acts specifically toward polyunsaturated acyl-CoA with the higher activity toward C18:3(n-6) acyl-CoA. May participate in the production of monounsaturated and of polyunsaturated VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators. Similarity: Belongs to the ELO family. ELOVL5 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	338827646
NCBI GeneID	60481
NCBI Accession #	NP_001229757.1
NCBI GenBank Nucleotide #	NM_001242828.1
UniProt Accession #	Q9NYP7; Q59EL3; Q5TGH5; Q6NXE7; Q7L2S5; Q8NCG4; Q9UI22; B4DZJ2; F6SH78
Molecular Weight	Observed: 28 kD Predicted: 36 kDa
NCBI Official Full Name	elongation of very long chain fatty acids protein 5 isoform 2

NCBI Official Synonym Full Names	ELOVL fatty acid elongase 5
NCBI Official Symbol	ELOVL5
NCBI Official Synonym Symbols	HELO1; SCA38; dJ483K16.1
NCBI Protein Information	elongation of very long chain fatty acids protein 5
UniProt Protein Name	Elongation of very long chain fatty acids protein 5
UniProt Gene Name	ELOVL5
UniProt Synonym Gene Names	ELOVL2; ELOVL FA elongase 5

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://stage.aaabiotech.com/polyclonal/elovl5-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324709>