

Rabbit anti-Human ELOVL4 Polyclonal Antibody | anti-ELOVL4 antibody

ELOVL4

CATALOG # AAA60502	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
------------------------------	-----------------------	----------------------------	-------------------------------------

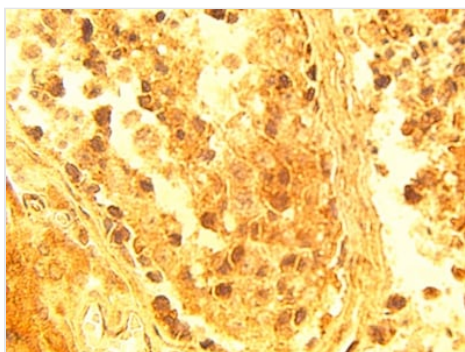
PRODUCT SYNONYMS

ELOVL4; Polyclonal Antibody; Elongation of very long chain fatty acids protein 4; ELOV4; anti-ELOVL4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Immunoaffinity Purification
Form/Format	Affinity Purified
Sequence Length	314
Applicable Applications for anti-ELOVL4 antibody	WB (Western Blot)
Immunogen	Synthetic peptide derived from the human ELOV4 protein
Positive Control	Normal human testis. Expressed in the retina and at much lower level in the brain.
Preparation and Storage	Ship: Ship on gel ice, store at -20 degree C immediately upon arrival Storage: Product should be stored at -20 degree C. Aliquot to avoid freeze/thaw cycles Stability: Products are stable for one year from purchase when stored properly

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical staining of normal human testis tissue using ELOV4 antibody at 15 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-ELOVL4 antibody	Mutations in elongation of very long-chain fatty acid-4 (ELOVL4) are associated with autosomal dominant Stargardt-like macular degeneration (STGD3), with a five base-pair (5 bp) deletion mutation resulting in the loss of 51 carboxy-terminal amino acids and truncation of the protein. Elovl4 is expressed in the retina and only a limited number of mammalian other tissues, including skin, with unknown function. In a mouse model with the 5-bp deletion in the Elovl4 gene, mice in the heterozygous state (Elovl4(+/-del)) demonstrate progressive photoreceptor degeneration. Homozygous mice (Elovl4(del/del)) display scaly, wrinkled skin, have severely compromised epidermal permeability barrier function, and die within a few hours after birth. Lipid analyses of epidermis from Elovl4(del/del) mice show a decrease in very long-chain fatty acids (VLFAs) in both the ceramide/glucosylceramide and the free fatty-acid fractions. ELOVL4 is required for generating VLFA critical for epidermal barrier function.
Product Categories/Family for anti-ELOVL4 antibody	Antigen Immunoaffinity Purified Polyclonal; Neurodegenerative

NCBI AND UNIPROT INFORMATION

NCBI GI #	12232379
NCBI GeneID	6785
NCBI Accession #	NP_073563.1
NCBI GenBank Nucleotide #	NM_022726.3
UniProt Accession #	Q9GZR5; Q5TCS2; Q86YJ1; Q9H139; B2R6B5
Molecular Weight	36829
NCBI Official Full Name	elongation of very long chain fatty acids protein 4
NCBI Official Synonym Full Names	ELOVL fatty acid elongase 4
NCBI Official Symbol	ELOVL4
NCBI Official Synonym Symbols	ADMD; CT118; ISQMR; STGD2; STGD3
NCBI Protein Information	elongation of very long chain fatty acids protein 4; ELOVL FA elongase 4; cancer/testis antigen 118; 3-keto acyl-CoA synthase ELOVL4; Stargardt disease 3 (autosomal dominant); very-long-chain 3-oxoacyl-CoA synthase 4; elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4
UniProt Protein Name	Elongation of very long chain fatty acids protein 4
UniProt Gene Name	ELOVL4
UniProt Synonym Gene Names	ELOVL FA elongase 4
UniProt Entry Name	ELOV4_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.