

ELOVL4 polyclonal antibody

Catalog # PAB9868

Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ELOVL4.
Immunogen	A synthetic peptide corresponding to human ELOVL4.
Host	Rabbit
Reactivity	Human
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Gene Info — ELOVL4

Entrez GeneID	6785
Gene Name	ELOVL4

Gene Alias	ADMD, FLJ17667, FLJ92876, STGD2, STGD3
Gene Description	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4
Omim ID	600110 605512
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a membrane-bound protein which is a member of the ELO family, proteins which participate in the biosynthesis of fatty acids. Consistent with the expression of the encoded protein in photoreceptor cells of the retina, mutations and small deletions in this gene are associated with Stargardt-like macular dystrophy (STGD3) and autosomal dominant Stargardt-like macular dystrophy (ADMD), also referred to as autosomal dominant atrophic macular degeneration. [provided by RefSeq]
Other Designations	OTTHUMP00000016776 Stargardt disease 3 (autosomal dominant) elongation of very long chain fatty acids-like 4

Publication Reference

- [ELOVL2 overexpression enhances triacylglycerol synthesis in 3T3-L1 and F442A cells.](#)

Kobayashi T, Zdravcevec D, Jacobsson A.

FEBS Letters 2007 Jul; 581(17):3157.

- [Cigarette smoking, CFH, APOE, ELOVL4, and risk of neovascular age-related macular degeneration.](#)

DeAngelis MM, Ji F, Kim IK, Adams S, Capone A Jr, Ott J, Miller JW, Dryja TP.

Archives of Ophthalmology (Chicago, Ill.: 1960) 2007 Jan; 125(1):49.

- [Loss of functional ELOVL4 depletes very long-chain fatty acids \(> or =C28\) and the unique omega-O-acylceramides in skin leading to neonatal death.](#)

Vasireddy V, Uchida Y, Salem N Jr, Kim SY, Mandal MN, Reddy GB, Bodepudi R, Alderson NL, Brown JC, Hama H, Dlugosz A, Elias PM, Holleran WM, Ayyagari R.

Human Molecular Genetics 2007 Mar; 16(5):471.

Application: IHC-P, WB-Ti, Mouse, Mouse skin

Disease

- [Choroidal Neovascularization](#)
- [Epilepsies](#)
- [Genetic Predisposition to Disease](#)

- [Macular Degeneration](#)
- [Retinal Diseases](#)
- [Syndrome](#)