



# Anti-ELOVL4 (aa 99-154) polyclonal antibody (DPAB-DC2982)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	ELOVL4 (NP_073563, 99 a.a. ~ 154 a.a) partial recombinant protein with GST tag. The sequence is MGSYNAGYSYICQSVVDYSNNVHEVRIAALWWYFVSKGVEYLDTVFFILRKKNQV
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

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<b>Gene Name</b>	<a href="#">ELOVL4 ELOVL fatty acid elongase 4 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ELOVL4
<b>Synonyms</b>	ELOVL4; ELOVL fatty acid elongase 4; ADMD; CT118; ISQMR; STGD2; STGD3; elongation of very long chain fatty acids protein 4; ELOVL FA elongase 4; cancer/testis antigen 118; 3-keto acyl-CoA synthase ELOVL4; very-long-chain 3-oxoacyl-CoA synthase 4; elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4;
<b>Entrez Gene ID</b>	<a href="#">6785</a>
<b>Protein Refseq</b>	<a href="#">NP_073563</a>
<b>UniProt ID</b>	<a href="#">Q9GZR5</a>
<b>Chromosome Location</b>	6q14
<b>Pathway</b>	Fatty Acyl-CoA Biosynthesis; Fatty acid biosynthesis, elongation, endoplasmic reticulum; Fatty acid elongation; Metabolism.
<b>Function</b>	G-protein coupled photoreceptor activity; protein binding; transferase activity;

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