



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

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

GENE INFORMATION

Gene Name	ELOVL4 ELOVL fatty acid elongase 4 [Homo sapiens (human)]
Official Symbol	ELOVL4
Synonyms	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;
Entrez Gene ID	6785
Protein Refseq	NP_073563
UniProt ID	Q9GZR5
Chromosome Location	6q14
Pathway	Fatty Acyl-CoA Biosynthesis; Fatty acid biosynthesis, elongation, endoplasmic reticulum; Fatty acid elongation; Metabolism.
Function	G-protein coupled photoreceptor activity; protein binding; transferase activity;