

Anti-Human/Mouse ELOVL4 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA03735

3th Edition

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. ELOVL4 (ELOVL Fatty Acid Elongase 4) is a Protein Coding gene. Diseases associated with ELOVL4 include Spinocerebellar Ataxia 34 and Ichthyosis, Spastic Quadriplegia, And Mental Retardation. Among its related pathways are Fatty acid elongation and Fatty Acyl-CoA Biosynthesis. GO annotations related to this gene include transferase activity and G-protein coupled photoreceptor activity. An important paralog of this gene is ELOVL7.

Antigen: Synthesized peptide derived from the Internal region of human ELOVL4

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Expressed in the retina and at much lower level in the brain. Ubiquitous, highest expression in thymus, followed by testis, small intestine, ovary, and prostate. Little or no expression in heart, lung, liver, or leukocytes.