

**AP51420PU-N****Polyclonal Antibody to ELOVL4 (C-term) - Aff - Purified**

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| <b>Alternate names:</b>  | 3-keto acyl-CoA synthase ELOVL4, Elongation of very long chain fatty acids protein 4   |
| <b>Quantity:</b>         | 0.4 ml   |
| <b>Concentration:</b>    | lot specific   |
| <b>Background:</b>       | ELOVL4 is 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>Uniprot ID:</b>       | <a href="#">Q9GZR5</a>   |
| <b>NCBI:</b>             | <a href="#">NP_073563</a>  |
| <b>GeneID:</b>           | <a href="#">6785</a>   |
| <b>Host / Isotype:</b>   | Rabbit / Ig  |
| <b>Immunogen:</b>        | KLH conjugated synthetic peptide between 285-314 amino acids from the C-terminal region of Human ELOVL4.   |
| <b>Format:</b>           | <b>State:</b> Liquid purified Ig fraction<br><b>Purification:</b> Affinity Chromatography on Protein A<br><b>Buffer System:</b> PBS containing 0.09% (W/V) sodium azide as preservative  |
| <b>Applications:</b>     | <b>ELISA:</b> 1/1000.<br><b>Western Blot:</b> 1/100-1/500.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.   |
| <b>Specificity:</b>      | This antibody recognizes Human ELOVL4 (C-term).  |
| <b>Add. Information:</b> | <b>Molecular Weight:</b> 36829 Da  |
| <b>Storage:</b>          | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.  |
| <b>General Readings:</b> | Kasperaviciute, D., et al. Brain 133 (PT 7), 2136-2147 (2010)<br>Vasireddy, V., et al. Prog Retin Eye Res 29(3):191-207(2010)<br>Gu, H., et al. Zhonghua Yan Ke Za Zhi 46(2):125-128(2010)<br>DeAngelis, M.M., et al. Arch. Ophthalmol. 125(1):49-54(2007)<br>McMahon, A., et al. Mol. Vis. 13, 258-272 (2007).  |

## Pictures:

Western blot analysis of ELOVL4 Antibody (C-term) Cat.-No AP51420PU-N in 293 cell line lysates (35ug/lane). This demonstrates the ELOVL4 antibody detected the ELOVL4 protein (arrow).

