

For Research Use Only

# ELOVL4 Recombinant antibody

Catalog Number: 84050-1-RR



## Basic Information

<b>Catalog Number:</b> 84050-1-RR	<b>GenBank Accession Number:</b> NM_022726	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 6785	<b>CloneNo.:</b> 240608A11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9GZR5	
<b>Isotype:</b> IgG	<b>Full Name:</b> elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4	
	<b>Calculated MW:</b> 37 kDa	

## Applications

**Tested Applications:**  
FC (Intra), ELISA

**Species Specificity:**  
human

## Background Information

ELOVL4, also named as ADMD, STGD2 and STGD3, belongs to the ELO family. It is a component of the fatty acid elongation system. Elovl4 is involved in the biosynthesis of very long chain fatty acids. It seems to represent a photoreceptor-specific component of the fatty acid elongation system residing on the endoplasmic reticulum. ELOVL4 may be implicated in docosahexaenoic acid (DHA) biosynthesis, which requires dietary consumption of the essential alpha-linolenic acid and a subsequent series of three elongation steps. Defects in ELOVL4 are the cause of Stargardt disease type 3 (STGD3). The antibody is specific to ELOVL4.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

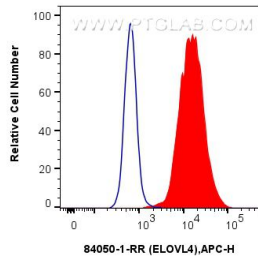
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## Selected Validation Data



$1 \times 10^6$  A431 cells were intracellularly stained with 0.25  $\mu$ g ElovL4 Recombinant Antibody (84050-1-RR, Clone:240608A11) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).