

For Research Use Only

ELOVL4 Recombinant antibody, PBS Only

Catalog Number: 84050-1-PBS



Basic Information

Catalog Number: 84050-1-PBS	GenBank Accession Number: NM_022726	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6785	CloneNo.: 240608A11
Source: Rabbit	UNIPROT ID: Q9GZR5	
Isotype: IgG	Full Name: elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4	
	Calculated MW: 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

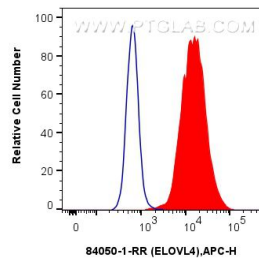
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1×10^6 A431 cells were intracellularly stained with 0.25 μ g Elovl4 Recombinant Antibody (84050-1-RR, Clone:240608A11) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 84050-1-PBS in a different storage buffer formulation.