Datasheet for ABIN6258769

# anti-ELOVL6 antibody (N-Term)

1 Image

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | ELOVL6 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ELOVL6 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC) |

## Product Details

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| Immunogen: | A synthesized peptide derived from human ELOVL6, corresponding to a region within N-terminal amino acids. |
| Isotype: | IgG |
| Specificity: | ELOVL6 Antibody detects endogenous levels of total ELOVL6. |
| Predicted Reactivity: | Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

## Target Details

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|---|---|
| Target: | ELOVL6 |

## Target Details

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| Alternative Name: | ELOVL6 (ELOVL6 Products) |
| Background: | Description: Catalyzes the first and rate-limiting reaction of the four that constitute the long-chain fatty acids elongation cycle. This endoplasmic reticulum-bound enzymatic process, allows the addition of 2 carbons to the chain of long- and very long-chain fatty acids/VLCFAs per cycle. Condensing enzyme that elongates fatty acids with 12, 14 and 16 carbons with higher activity toward C16:0 acyl-CoAs. Catalyzes the synthesis of unsaturated C16 long chain fatty acids and, to a lesser extent, C18:0 and those with low desaturation degree. May participate in the production of saturated and monounsaturated VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators.<br>Gene: ELOVL6 |
| Molecular Weight: | 35 kDa |
| Gene ID: | 79071 |
| UniProt: | Q9H5J4 |

## Application Details

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| Application Notes: | WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |
| Expiry Date: | 12 months |

**Immunofluorescence (fixed cells)**

**Image 1.** ABIN6275108 staining 293 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25¡ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37¡ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod