

Datasheet for ABIN7151556  
**anti-ELOVL1 antibody (AA 82-175)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	ELOVL1
Binding Specificity:	AA 82-175
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ELOVL1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Elongation of very long chain fatty acids protein 1 protein (82-175AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	ELOVL1
Alternative Name:	ELOVL1 ( <a href="#">ELOVL1 Products</a> )
Background:	Background: 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,

## Target Details

allows the addition of 2 carbons to the chain of long- and very long-chain fatty acids/VLCFAs per cycle. Condensing enzyme that exhibits activity toward saturated C18 to C26 acyl-CoA substrates, with the highest activity towards C22:0 acyl-CoA. May participate to the production of both saturated and monounsaturated VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators. Important for saturated C24:0 and monounsaturated C24:1 sphingolipid synthesis. Indirectly inhibits RPE65 via production of VLCFAs.

Aliases: 3 keto acyl CoA synthase ELOVL1 antibody, 3-keto acyl-CoA synthase ELOVL1 antibody, CGI 88 antibody, Elongation of very long chain fatty acids (FEN1/Elo2 SUR4/Elo3 yeast) like 1 antibody, Elongation of very long chain fatty acids like 1 antibody, Elongation of very long chain fatty acids protein 1 antibody, ELOV1\_HUMAN antibody, ELOVL 1 antibody, ELOVL FA elongase 1 antibody, ELOVL fatty acid elongase 1 antibody, ELOVL1 antibody, Ssc1 antibody, Ssc1, mouse, homolog of antibody, very long chain 3 oxoacyl CoA synthase 1 antibody, Very-long-chain 3-oxoacyl-CoA synthase 1 antibody

UniProt: [Q9BW60](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

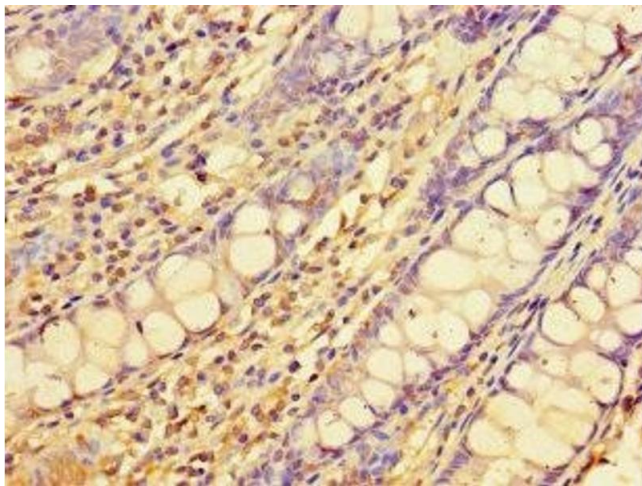
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

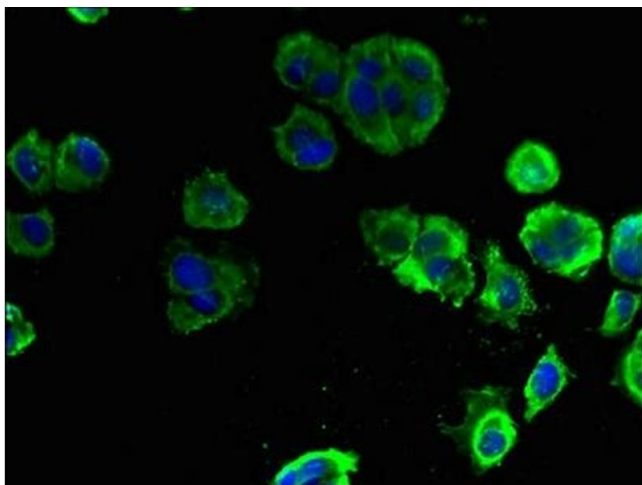
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human colon tissue using ABIN7151556 at dilution of 1:100



#### Immunofluorescence

**Image 2.** Immunofluorescent analysis of MCF-7 cells using ABIN7151556 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)