Datasheet for ABIN7266927

anti-ELOVL2 antibody (AA 247-296)

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	ELOVL2
Binding Specificity:	AA 247-296
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ELOVL2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	ELOVL2 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 247-296 of human ELOVL2 (NP_060240.3).
Sequence:	ILFLNFYVQT YRKKPMKKDM QEPPAGKEVK NGFSKAYFTA ANGVMNKKAQ
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

 Copyright antibodies-online. All rights reserved.

Target Details

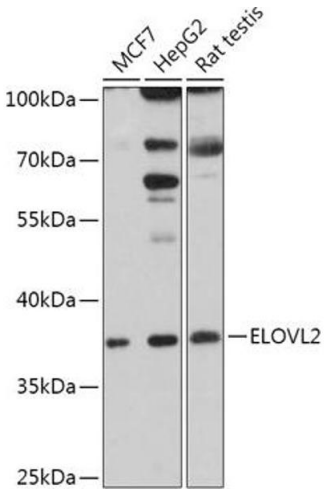
Target:	ELOVL2
Alternative Name:	ELOVL2 (ELOVL2 Products)
Background:	Catalyzes the first and rate-limiting reaction of the four reactions that constitute the long-chain fatty acids elongation cycle. This endoplasmic reticulum-bound enzymatic process allows the addition of 2 carbons to the chain of long- and very long-chain fatty acids (VLCFAs per cycle. Condensing enzyme that catalyzes the synthesis of polyunsaturated very long chain fatty acid (C20- and C22-PUFA, acting specifically toward polyunsaturated acyl-CoA with the higher activity toward C20:4(n-6 acyl-CoA. May participate in the production of polyunsaturated VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators.,SSC2,ELOVL2,Cancer,Signal Transduction,Endocrine & Metabolism,Lipid Metabolism,Endocrine and metabolic diseases,Diabetes,Cardiovascular,Heart,Lipids,Fatty Acids,Cardiovascular diseases,Heart disease,ELOVL2
Gene ID:	54898
UniProt:	Q9NXB9

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using ELOVL2 antibody (ABIN7266927) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.

Copyright antibodies-online. All rights reserved.