

anti- SCD antibody

Product Information

Catalog No.:	FNab07627
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Stearyl-CoA desaturase that utilizes O(2) and electrons from reduced cytochrome b5 to introduce the first double bond into saturated fatty acyl-CoA substrates(PubMed:15907797, PubMed:18765284). Catalyzes the insertion of a cis double bond at the delta-9 position into fatty acyl-CoA substrates including palmitoyl-CoA and stearoyl-CoA(PubMed:15907797, PubMed:18765284). Gives rise to a mixture of 16:1 and 18:1 unsaturated fatty acids(PubMed:15610069). Plays an important role in lipid biosynthesis. Plays an important role in regulating the expression of genes that are involved in lipogenesis and in regulating mitochondrial fatty acid oxidation(By similarity). Plays an important role in body energy homeostasis(By similarity). Contributes to the biosynthesis of membrane phospholipids, cholesterol esters and triglycerides(By similarity).

Immunogen information

Immunogen:	stearoyl-CoA desaturase(delta-9-desaturase)
Synonyms:	Acyl CoA desaturase, Delta(9) desaturase, FADS5, Fatty acid desaturase, MSTP008, SCD, SCD1, SCDOS, Stearoyl CoA desaturase
Observed MW:	40 kDa
Uniprot ID :	O00767

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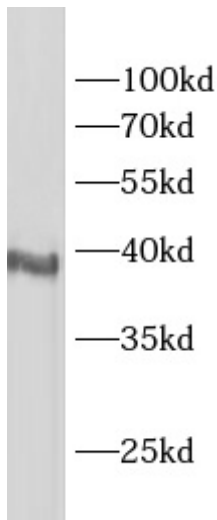
Application

Reactivity: Human, Mouse, Rat

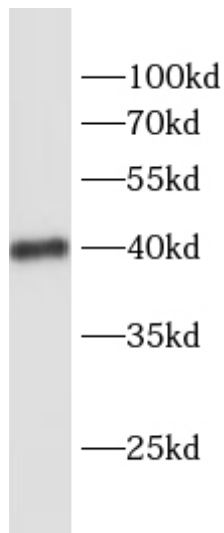
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

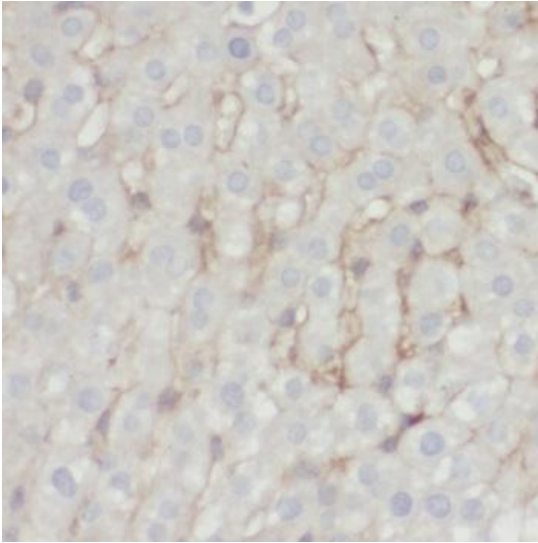
Image:



HeLa cell lysates were subjected to SDS PAGE followed by western blot with FNab07627(SCD Antibody) at dilution of 1:1000



rat liver were subjected to SDS PAGE followed by western blot with FNab07627(SCD Antibody) at dilution of 1:1000



Immunohistochemistry of paraffin-embedded human liver using FNab07627(SCD antibody) at dilution of 1:200