



ACOD Polyclonal Antibody

Catalog No	YP-Ab-07835
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	SCD
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	ACOD Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FADS5;MSTP008;SCD1;SCDOS;hSCD1;Scd;Scd-1;ab;SCD_HUMAN;Acyl-CoA desaturase;Delta(9)-desaturase (Delta-9 desaturase);Fatty acid desaturase; 1.14.19.1;ACOD1_MOUSE;Delta(9)-desaturase 1 (Delta-9 desaturase 1);Fatty acid desaturase 1;Stearoyl-CoA desaturase 1;ACOD1_RAT;stearoyl-CoA desaturase;stearoyl-CoA desaturase opposite strand;stearoyl-CoA desaturase (delta-9-desaturase);delta-9-desaturase;ACOD;Acyl-CoA desaturase (EC 1.14.19.1) (Delta(9)-desaturase) (Delta-9 desaturase) (Fatty acid desaturase) (Stearoyl-CoA desaturase)
Observed Band	39kD
Calculated Molecular Weight	39kD
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Detected in fetal liver, lung and brain. Highly expressed in adult adipose tissue, and at lower levels in adult brain and lung.
Function	catalytic activity:Stearoyl-CoA + 2 ferrocytochrome b5 + O(2) + 2 H(+) = oleoyl-CoA + 2 ferricytochrome b5 + 2 H(2)O.,cofactor:Iron.,domain:The histidine box domains may contain the active site and/or be involved in metal ion binding., function:Terminal component of the liver microsomal stearyl-CoA desaturase system, that utilizes O(2) and electrons from reduced cytochrome b5 to catalyze



the insertion of a double bond into a spectrum of fatty acyl-CoA substrates including palmitoyl-CoA and stearoyl-CoA.,similarity:Belongs to the fatty acid desaturase family.,

Background

This gene encodes an enzyme involved in fatty acid biosynthesis, primarily the synthesis of oleic acid. The protein belongs to the fatty acid desaturase family and is an integral membrane protein located in the endoplasmic reticulum. Transcripts of approximately 3.9 and 5.2 kb, differing only by alternative polyadenylation signals, have been detected. A gene encoding a similar enzyme is located on chromosome 4 and a pseudogene of this gene is located on chromosome 17. [provided by RefSeq, Sep 2015],

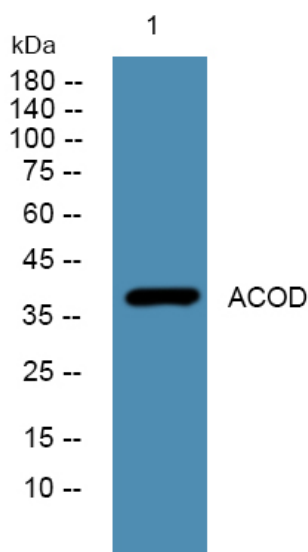
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4° over night