SCD1 Rabbit mAb

Catalog No	YP-Ab-17685
Isotype	IgG
Reactivity	Human
Applications	WB,IHC-F,IHC-P,ICC/IF,IP
Gene Name	SCD
Research Field	Signal Transduction
Product Categories	Primary antibody
Host	Rabbit
Clonality	Monoclonal Antibody
Clonality No.	R04-2K1
Immunogen	Recombinant protein of human SCD1 Purification Affinity Purified Conjugation Unconjugated Modification Unmodified Form Liquid
Buffer System	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Dilution	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20
Storage Stability	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Synonyms	SCD1; FADS5; SCDOS; MSTP008
SwissProt ID	O00767
Gene ID	6319
Molecular Weight	Calculated MW: 42 kDa; Observed MW: 37 kDa
Background	Stearyl-CoA desaturase that utilizes O2 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 . Plays an important role in body energy homeostasis . Contributes to the biosynthesis of membrane phospholipids, cholesterol esters and triglycerides .
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