

SCD1 RABBIT MAB

Cat.#: N262873

Product Name: Anti-SCD1 Rabbit Monoclonal Antibody

Synonyms: SCD1; FADS5; SCDO5; MSTP008

UNIPROT ID: O00767

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 stearyl-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.

Immunogen: Recombinant protein of human SCD1

Applications: WB,IHC-F,IHC-P,ICC/IF,IP

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20

Host Species: Rabbit

Clonality: Rabbit Monoclonal

Clone ID: R04-2K1

MW: Calculated MW: 42 kDa; Observed MW: 37 kDa

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human

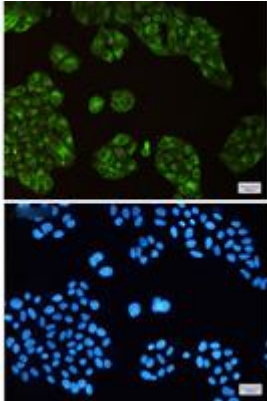
Conjugation: Unconjugated

Modification: Unmodified

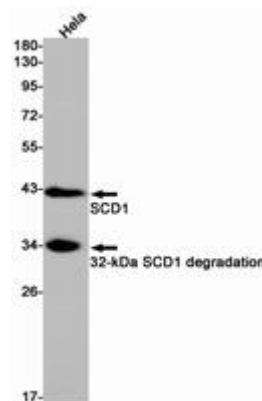
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Signal Transduction

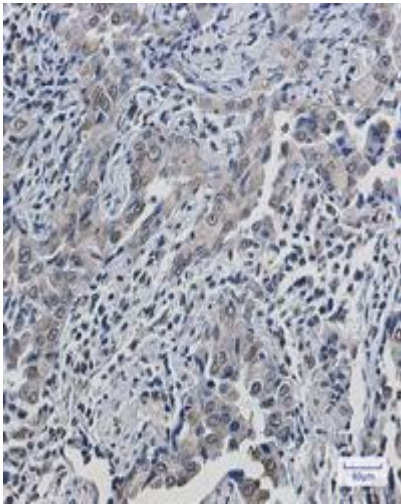
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunocytochemistry analysis of SCD1 (green) in HeLa using SCD1 antibody, and DAPI (blue)



Western blot analysis of SCD1 in HeLa lysates using SCD1 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using SCD1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.