# SCD1 Rabbit mAb

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| **Catalog No** | BYab-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 . |

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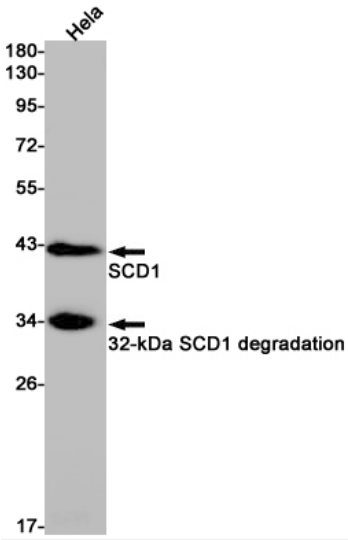
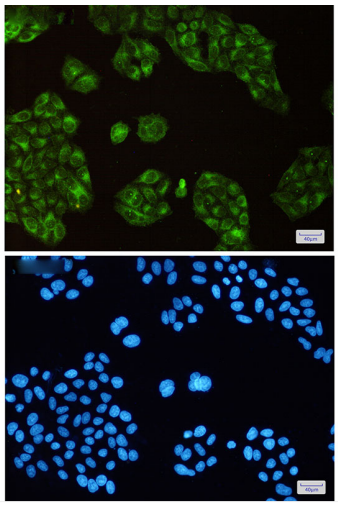
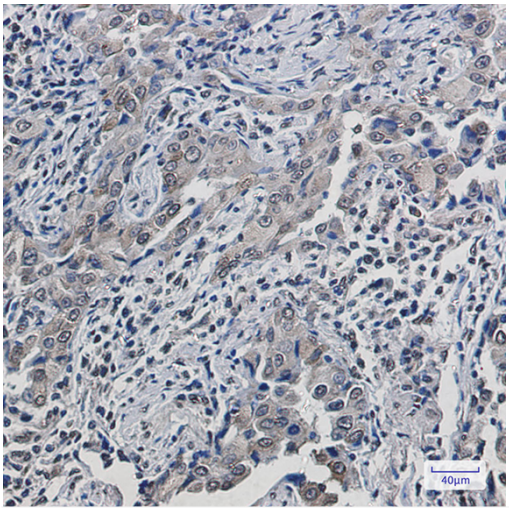
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

## Products Images

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