

## SCD (PT0866R) PT™ Rabbit mAb

CatalogNo: YM8635 **Recombinant** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 42kD (Calculated)
- 37kD (Observed)

#### Isotype

- IgG, Kappa

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

### Recommended Dilution Ratios

**IHC 1:200-1:1000**

**WB 1:2000-1:10000**

**IF 1:200-1:1000**

**ELISA 1:5000-1:20000**

### Basic Information

**Clonality** Monoclonal

**Clone Number** PT0866R

### Immunogen Information

**Immunogen** The specific immunogen used to produce this antibody is proprietary information.

**Specificity** Endogenous

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## Target Information

**Gene name** SCD

**Protein Name** Acyl-CoA desaturase (Delta (9) -desaturase) (Delta-9 desaturase) (Fatty acid desaturase) (Stearoyl-CoA desaturase)

Organism	Gene ID	UniProt ID
Human	<a href="#">6319;</a>	<a href="#">O00767;</a>

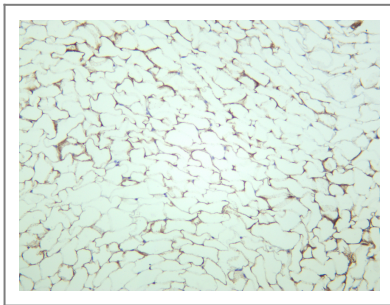
**Cellular Localization** Endoplasmic reticulum membrane ; Multi-pass membrane protein .

**Tissue specificity** Detected in fetal liver , lung and brain. Highly expressed in adult adipose tissue , and at lower levels in adult brain and lung.

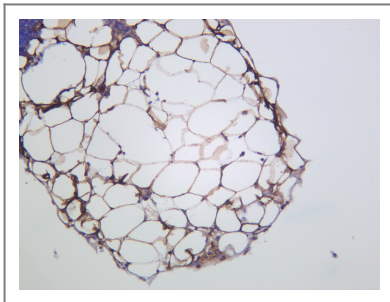
**Function** Catalytic activity:Stearoyl-CoA + 2 ferrocytochrome b5 + O (2) + 2 H (+) = oleoyl-CoA + 2 ferricytochrome b5 + 2 H (2) O. ,cofactor:Iron. ,Domain:The histidine box domains may contain the active site and/or be involved in metal ion binding. ,Function:Terminal component of the liver microsomal 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. ,

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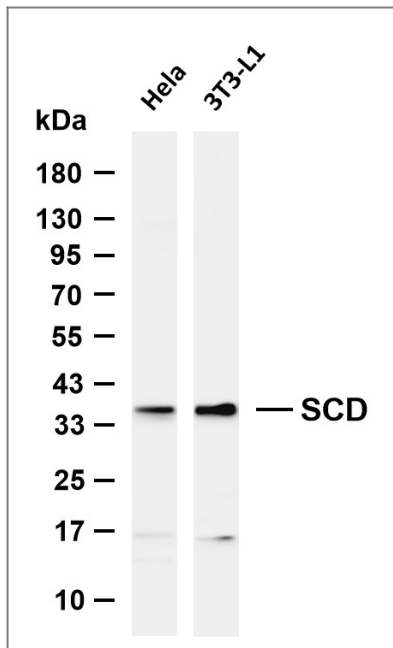
## Validation Data



Rat adipose was stained with anti-SCD (PT0866R) Rabbit antibody



Mouse adipose was stained with anti-SCD (PT0866R) Rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-SCD (PT0866R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: 3T3-L1 Predicted band size: 42kDa Observed band size: 37kDa

## Contact information

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**Rabbit mAb**

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