

## SCD Polyclonal Antibody

<b>CATALOG NO:</b>	3875-30T      30 µg (Trial size)
	3875-100      100 µg
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 206 of rat SCD (Internal ID# BV-A40)
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat, Pig, Hamster

### FORMULATION:

0.5 mg/ml affinity purified rabbit anti-SCD polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

### STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

### BACKGROUND:

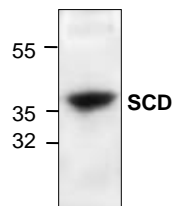
Stearoyl-CoA desaturase (SCD) is a regulatory enzyme involved in the synthesis of oleate and palmitoleate. Oleate and palmitoleate are the main components of membrane phospholipid, triglycerides and cholesterol esters. SCD plays an important role in cellular cholesterol homeostasis and also in the secretion processes of triacylglycerol and phospholipid. Inhibition of SCD could be a useful treatment for metabolic disorders such as obesity and hepatic steatosis.

### SPECIFICITY:

The antibody recognizes a ~37 kDa SCD. Rat kidney tissue lysate can be used as a positive control. Blocking peptide (Cat.# 3875BP-50) is available separately.

### APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Other applications have not been determined.



**Cat. #:3875-100**  
Western blot analysis of SCD with rat kidney tissue lysate.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

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