

## Datasheet for ABIN966997 **anti-SCD antibody**

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### Overview

Quantity:	100 µg
Target:	SCD
Reactivity:	Human, Mouse
Host:	Please inquire
Clonality:	Monoclonal
Conjugate:	This SCD antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

### Product Details

Isotype:	IgG2b
Specificity:	Full length recombinant protein. Reacts with human and mouse proteins.

### Target Details

Target:	SCD
Alternative Name:	SCD1 ( <a href="#">SCD Products</a> )
Background:	Stearoyl-CoA desaturase (SCD) is a regulatory enzyme in lipogenesis. The SCD1 gene is tightly regulated by signals such as insulin, leptin, carbohydrate, fatty acids and temperature. The enzyme (mouse 355aa, rat 358aa, ~37 KDa) is constitutively expressed in adipose tissue and is induced in liver in response to fat free, high carbohydrate diet. The SCD-1 expression is higher in female than male mouse. The repression of RNA levels and enzyme activity of hepatic SCD-1 by Leptin has been shown to significantly reduce the triglyceride storage, VLDL production and

Target Details

	therefore an increase in fatty acid oxidation. Inhibition of SCD-1 could be of benefit for treatment of obesity, hepatic steatosis and other metabolic disorders.
Gene ID:	20249
Pathways:	<a href="#">Brown Fat Cell Differentiation</a>

Application Details

Application Notes:	Western blot, ELISA, IP, and IHC in obesity research.
Restrictions:	For Research Use only

Handling

Concentration:	1mg/ml
Buffer:	PBS, pH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C