

## SCD1 (Phospho-Ser340) Antibody

Catalog No: #SAB656

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## Description

Product Name	SCD1 (Phospho-Ser340) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Applications	WB
Species Reactivity	Human, Mouse
Specificity	SCD1(Phospho-Ser340) Antibody detects endogenous levels of SCD1( only when phosphorylated at Ser340.
Immunogen Description	A synthesized peptide derived from human SCD1 around the phosphorylation site of Ser340.
Other Names	Stearoyl-CoA desaturase, hSCD1, Acyl-CoA desaturase, Delta-9 desaturase, SCD, FADS5, SCD1, SCDOS
SDS-PAGE MW	42kDa
Concentration	1 mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide.
Storage	Store at -20°C/1 year

## Application Details

Western Blot: 1/500 - 1/2000

## Background

Stearoyl-CoA desaturase that utilizes O<sub>2</sub> 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).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.