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## SCD (N) Antibody, Rabbit Polyclonal

**Cat#:** R3034-1

**Quantity:** 100 ul

**Predicted | Observed M.W.:** 42 kDa

**Lot#:** Refer to vial

**Application:** WB

**Uniprot ID:** O00767

### Background:

Stearoyl-CoA desaturase (SCD) is an enzyme involved in fatty acid biosynthesis, primarily the synthesis of oleic acid. SCD is a multi-pass membrane protein located at the endoplasmic reticulum membrane. SCD is the terminal component of the liver microsomal stearyl-CoA desaturase system that utilizes O<sub>2</sub> 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.

### Other Names:

FADS5, SCDOS, Acyl-CoA desaturase, Delta(9)-desaturase, Fatty acid desaturase, Stearoyl-CoA desaturase

### Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human SCD. Antibodies were purified by affinity purification using immunogen.

### Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

### Species Specificity:

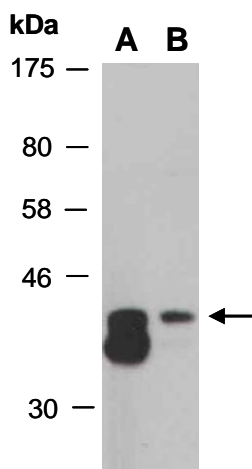
Human

### Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein\*)

\*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

**Product Data:**



**Fig 1.** Western blot of total cell extracts from A) human HeLa, B) human Jurkat; using anti-SCD1 (N) (R3034-1) at RT for 2 h.