

**SCD5 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56640**

**Specification**

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**SCD5 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q86SK9</a>
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37610

**SCD5 Polyclonal Antibody - Additional Information**

**Gene ID** 79966

**Other Names**

Stearoyl-CoA desaturase 5, 1.14.19.1, Acyl-CoA-desaturase 4, HSCD5, Stearoyl-CoA 9-desaturase, Stearoyl-CoA desaturase 2, SCD5

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**SCD5 Polyclonal Antibody - Protein Information**

**Name** SCD5

**Function**

Stearoyl-CoA desaturase that utilizes O(2) and electrons from reduced cytochrome b5 to introduce the first double bond into saturated fatty acyl-CoA substrates. 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: [15610069](http://www.uniprot.org/citations/15610069), PubMed: [15907797](http://www.uniprot.org/citations/15907797), PubMed: [22745828](http://www.uniprot.org/citations/22745828)). Gives rise to a mixture of 16:1 and 18:1 unsaturated fatty acids (PubMed: [15610069](http://www.uniprot.org/citations/15610069), PubMed: [15907797](http://www.uniprot.org/citations/15907797)). Involved in neuronal cell proliferation and differentiation through down-regulation of EGFR/AKT/MAPK and Wnt signaling pathways (PubMed: [22745828](http://www.uniprot.org/citations/22745828)).

**Cellular Location**

Endoplasmic reticulum membrane; Multi-pass membrane protein

**Tissue Location**

Detected in fetal brain, and at lower levels in fetal kidney. Detected in adult brain and pancreas, and at lower levels in kidney and lung. Expressed in spiral ganglion cells and the organ of Corti of fetal cochlea (PubMed:31972369).

**SCD5 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SCD5 Polyclonal Antibody - Images**