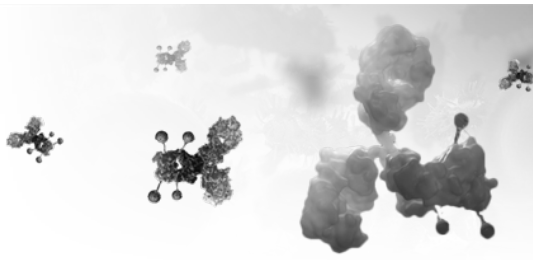

Human SCD blocking peptide (CDBP2843)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Stearoyl-CoA desaturase antibody
Antigen Description	This gene encodes an enzyme involved in fatty acid biosynthesis, primarily the synthesis of oleic acid. Transcripts of approximately 3.9 and 5.2 kb, differing only by alternative polyadenlyation signals, have been detected. A gene encoding a similar enzyme is located on chromosome 4 and a pseudogene of this gene is located on chromosome 17. [provided by RefSeq, Feb 2012]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	SCD stearoyl-CoA desaturase (delta-9-desaturase) [Homo sapiens]
Official Symbol	SCD
Synonyms	SCD; stearoyl-CoA desaturase (delta-9-desaturase); SCDOS, stearoyl CoA desaturase opposite strand; acyl-CoA desaturase; acyl CoA desaturase; delta 9 desaturase; FADS5; fatty acid desaturase; delta-9 desaturase; delta-9-desaturase; delta(9)-desaturase; predicted protein

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	of HQ0998; stearoyl-CoA desaturase opposite strand; SCD1; SCDOS; MSTP008;
Entrez Gene ID	6319
mRNA Refseq	NM_005063
Protein Refseq	NP_005054
UniProt ID	O00767
Chromosome Location	10q23-q24
Pathway	Adipogenesis, organism-specific biosystem; Biosynthesis of unsaturated fatty acids, organism-specific biosystem; Biosynthesis of unsaturated fatty acids, conserved biosystem; Fatty Acid Biosynthesis, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem; oleate biosynthesis II (animals), organism-specific biosystem;
Function	iron ion binding; oxidoreductase activity; oxidoreductase activity, acting on paired donors, with oxidation of a pair of donors resulting in the reduction of molecular oxygen to two molecules of water; stearoyl-CoA 9-desaturase activity;

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