



Goat anti-Stearoyl-CoA desaturase Antibody

Item Number	dAP-0770
Target Molecule	Principle Name: Stearoyl-CoA desaturase; Official Symbol: SCD; All Names and Symbols: SCD; SCD1; HGNC:10571; FADS5; PRO0998 ; acyl-CoA desaturase; delta-9-desaturase; fatty acid desaturase; predicted protein of HQ0998; stearoyl-CoA desaturase; Accession Number (s): NP_005054.3; Human Gene ID(s): 6319; Non-Human GeneID(s):
Immunogen	RIKRTGDGNYKSG, is from C Terminus
Applications	Pep ELISA, IHC, FC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	Western Blot: Preliminary experiments gave an approx 30kDa band in Human Adipose, Brain and Liver lysates after 0.3 µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calc
IHC	Immunohistochemistry: In paraffin embedded Human Liver shows textured cytoplasm staining in hepatocytes. Recommended concentration, 5-10µg/ml.
Reference	Reference(s): Zhang S, Yang Y, Shi Y. Characterization of human SCD2, an oligomeric desaturase with improved stability and enzyme activity by cross-linking in intact cells. Biochem J. 2004 Dec 20; [Epub ahead of print] .PMID: 15610069 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**