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Research Use Only. Not for diagnostic or therapeutic use.

EB07108 - Goat Anti-Stearoyl-CoA desaturase Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SCD, SCD1, HGNC:10571, FADS5, PRO0998, acyl-CoA desaturase, delta-9-desaturase, fatty acid desaturase, predicted protein of HQ0998, stearoyl-CoA

desaturase

Official Symbol: SCD

Accession Number(s): NP_005054.3

Human GeneID(s): 6319

Immunogen

Peptide with sequence C-RIKRTGDGNYKSG, from the C Terminus of the protein sequence according to NP_005054.3.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.

Western blot: Preliminary experiments gave an approx 30kDa band in Human Adipose, Brain and Liver lysates after $0.3 \mu g/ml$ antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 41.5kDa according to NP_005054.3. The 30kDa band was successfully blocked by incubation with the immunizing peptide.

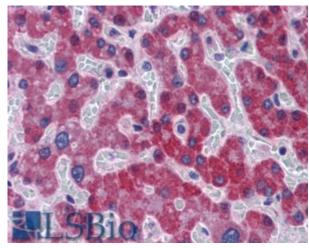
IHC: Paraffin embedded Human Liver and Colon. Recommended concentration: 5µg/ml.

Flow Cytometry: Exclusively staining of HepG2 when mixed with Peripheral Blood Lymphocytes.

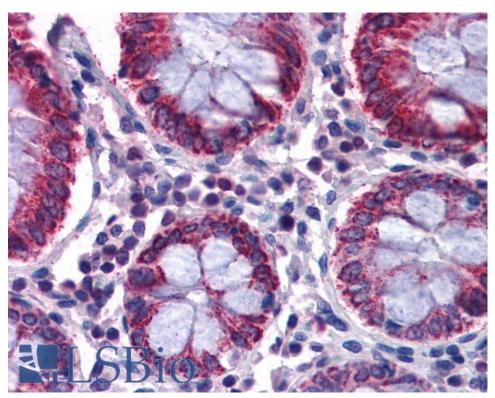
Species Reactivity

Tested: Human

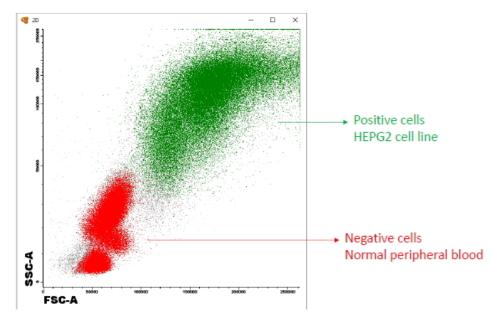
Expected from sequence similarity: Human



EB07108 ($5\mu g/ml$) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07108 (5μg/ml) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07108 (2.5ul) staining of HepG2 cells mixed in with PBL. Detected by fluorescence with PE for SCD in green and with OC515 for CD45 (CYT-450C) in red.