SANTA CRUZ BIOTECHNOLOGY, INC.

CETP (N-13): sc-26729

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Cholesteryl ester transfer protein (CETP) is a circulating metabolic enzyme that transports cholesterol from the arteries to the liver. CETP converts cholesteryl esters from antiatherogenic high density lipoproteins (HDLs) to proatherogenic apolipoprotein B (apoB)-containing lipoproteins, including very low-, intermediate- and low-DLs. Efficient transfer and exchange of cholesteryl esters and triglycerides between the lipoprotein classes of human plasma is necessary to maintain healthy arteries.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CETP (human) mapping to 16q13.

SOURCE

CETP (N-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of CETP of human origin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-26729 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CETP (N-13) is recommended for detection of CETP of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for CETP siRNA (h): sc-45913, CETP shRNA Plasmid (h): sc-45913-SH and CETP shRNA (h) Lentiviral Particles: sc-45913-V.

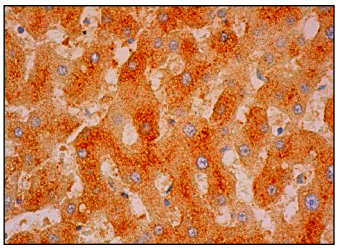
Molecular Weight of CETP: 129-154 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941. 3) Immunohistochemistry: use ImmunoCruz™: sc-2053 or ABC: sc-2023 goat IgG Staining Systems.

DATA



CETP (N-13): sc-26729. Immunoperoxidase staining of formalin fixed, paraffin-embedded human liver tissue showing cytoplasmic staining of hepatocytes.

RESEARCH USE

For research use only, not for use in diagnostic procedures.