

# apoH (H-23): sc-130956

## BACKGROUND

Human apolipoprotein H (apoH, also designated  $\beta$  2-glycoprotein I, activated protein C binding protein or APC inhibitor) is a five-domain plasma membrane-adhesion protein that is rich in sialic acid linked to galactose or N-acetylglactosamine. ApoH has been implicated in a variety of physiological pathways, including blood coagulation and the immune response. ApoH is a cofactor for the binding of serum auto-antibodies from antiphospholipid syndrome, and is correlated with thrombosis, lupus erythematosus and recurrent fetal loss. In addition, apoH is also implicated in the clearance of apoptotic bodies from the circulation. The apoH gene is located on human chromosome 17q24.2. ApoH is synthesized by hepatocytes and is present in blood associated with plasma lipoproteins. ApoH displays a genetically determined structural polymorphism including three alleles (apoH\*1, apoH\*2 and apoH\*3). ApoH can inhibit the translocation of cholesterol from extracellular pools to macrophages, which reduces the cellular accumulation of cholesterol, suggesting that apoH may play an important role in the prevention of atherosclerosis.

## CHROMOSOMAL LOCATION

Genetic locus: APOH (human) mapping to 17q24.2; Apoh (mouse) mapping to 11 E1.

## SOURCE

apoH (H-23) is an affinity purified rabbit polyclonal antibody raised against a synthetic peptide mapping at the N-terminus of apoH of human origin.

## PRODUCT

Each vial contains 50  $\mu$ g IgG in 0.5 ml of PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

## STORAGE

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

## APPLICATIONS

apoH (H-23) is recommended for detection of apoH of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

apoH (H-23) is also recommended for detection of apoH in additional species, including equine, bovine and canine.

Suitable for use as control antibody for apoH siRNA (h): sc-72518, apoH siRNA (m): sc-72519, apoH shRNA Plasmid (h): sc-72518-SH, apoH shRNA Plasmid (m): sc-72519-SH, apoH shRNA (h) Lentiviral Particles: sc-72518-V and apoH shRNA (m) Lentiviral Particles: sc-72519-V.

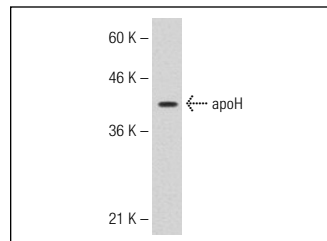
Molecular Weight of apoH: 38 kDa.

Positive Controls: K-562 whole cell lysate: sc-2203, U-937 cell lysate: sc-2239 or Hep G2 cell lysate: sc-2227.

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## DATA



apoH (H-23): sc-130956. Western blot analysis of apoH expression in Hep G2 whole cell lysate.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.

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Try **apoH (7L5): sc-134264**, our highly recommended monoclonal alternative to apoH (H-23).