# Angptl3 (H-248): sc-68917



The Power to Question

#### **BACKGROUND**

Angiopoietin-like protein 3 (Angptl3) functions as a potent lipoprotein lipase inhibitor and is an important components of plasma triglyceride homeostasis. Angptl3 also plays a role in adipose formation and angiogenesis through its interaction with integrin  $\alpha\nu\beta3$ . It is secreted by the liver and is functionally defined by the C-terminal fibrinogen (FBN)-like domain and an N-terminal coiled-coil domain. Angptl3 regulates circulating triglyceride levels during different nutritional states thereby mediating the feeding/fasting cycle. A deficiency of Angptl3 results in abnormally low lipid levels, and a repression of the protein may be protective against atherosclerosis. Angptl3 may also play an important role in hyperlipidemia in diabetes.

## **REFERENCES**

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## **CHROMOSOMAL LOCATION**

Genetic locus: ANGPTL3 (human) mapping to 1p31.3; Angptl3 (mouse) mapping to 4 C6.

# SOURCE

Angptl3 (H-248) is a rabbit polyclonal antibody raised against amino acids 53-300 mapping within an internal region of Angptl3 of human origin.

#### **PRODUCT**

Each vial contains 200  $\mu g$  lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

# **STORAGE**

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

#### **APPLICATIONS**

Angptl3 (H-248) is recommended for detection of Angptl3 of human and, to a lesser extent, mouse and rat 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), 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).

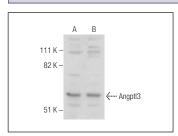
Angptl3 (H-248) is also recommended for detection of Angptl3 in additional species, including equine.

Suitable for use as control antibody for Angptl3 siRNA (h): sc-61911, Angptl3 siRNA (m): sc-61912, Angptl3 shRNA Plasmid (h): sc-61911-SH, Angptl3 shRNA Plasmid (m): sc-61912-SH, Angptl3 shRNA (h) Lentiviral Particles: sc-61911-V and Angptl3 shRNA (m) Lentiviral Particles: sc-61912-V.

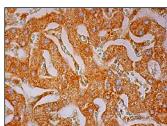
Molecular Weight of Angptl3: 63 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227 or Ramos cell lysate: sc-2216.

#### DATA



Angptl3 (H-248): sc-68917. Western blot analysis of Angptl3 expression in Hep G2 (**A**) and Ramos (**B**) whole cell lysates.



Angptl3 (H-248): sc-68917. 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.

## **PROTOCOLS**

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



Try **Angpt13 (G-5): sc-365887**, our highly recommended monoclonal alternative to Angpt13 (H-248).

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