Angiopoietin-like protein 3 (Angptl3) functions as a potent lipoprotein lipase inhibitor and is an important component of plasma triglyceride homeostasis. Angptl3 also plays a role in adipose formation and angiogenesis through its interaction with integrin αvβ3. 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**


**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 µg IgG 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 µg per 100-500 µg 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 1:30-1:300).

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

**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 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.

**MONOS**

Try Angptl3 (G-5): sc-365887, our highly recommended monoclonal alternative to Angptl3 (H-248).