



Polyclonal Antibody against Human Globular Adiponectin

Catalog Number: 161004

Size: 100 mg

Host: Rabbit

Introduction

Important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. Inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway. May play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW, MMW or HMW.[1]

Immunogen:

Recombinant human globular adiponectin expressed in E. coli.

Preparation:

Rabbit IgG was purified by protein G affinity chromatography.

Specificity:

The antibody detects human globular adiponectin.

Form: Liquid

Storage buffer: PBS

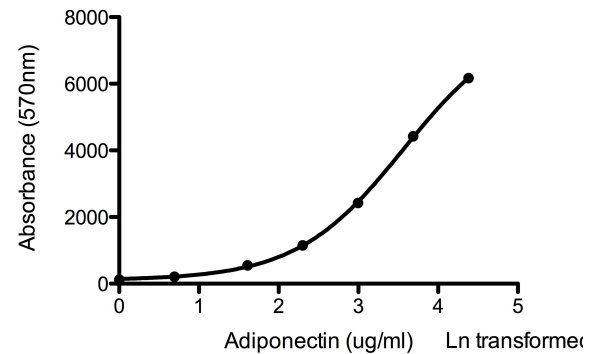
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze / thaw cycle.

Applications:

Turbidimetric Immunoassay - This antibody can be used in turbidimetric immunoassay to detect human globular adiponectin.

Reference:

1. Yamauchi, T., et al., *The fat-derived hormone adiponectin reverses insulin resistance associated with both lipotrophy and obesity*. Nat Med, 2001. 7(8): p. 941-6.



Turbidimetric immunoassay of globular adiponectin (the figure is from Prof.Xu's lab, HKU)