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ACDC Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP6531b

Specification

ACDC Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q15848

ACDC Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 9370

Other Names
Adiponectin, 30 kDa adipocyte complement-related protein, Adipocyte complement-related 30 kDa protein, ACRP30, Adipocyte, C1q and collagen domain-containing protein, Adipose most abundant gene transcript 1 protein, apM-1, Gelatin-binding protein, ADIPOQ, ACDC, ACRP30, APM1, GBP28

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6531b was selected from the C-term region of human ACDC. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ACDC Antibody (C-term) Blocking Peptide - Protein Information

Name ADIPOQ

Function
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.

Cellular Location

Secreted.

Tissue Location
Synthesized exclusively by adipocytes and secreted into plasma.

ACDC Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

ACDC Antibody (C-term) Blocking Peptide - Images

ACDC Antibody (C-term) Blocking Peptide - Background

ACDC is expressed in adipose tissue exclusively. It is a protein with similarity to collagens X and VIII and complement factor C1q. The protein circulates in the plasma and is involved with metabolic and hormonal processes.

ACDC Antibody (C-term) Blocking Peptide - References

Wang,Y., J. Biol. Chem. 277 (22), 19521-19529 (2002)Schaffler,A., Biochim. Biophys. Acta 1399 (2-3), 187-197 (1998)