

**ACDC Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6531a****Specification**

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**ACDC Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q15848](#)**ACDC Antibody (N-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 [AP6531a](/products/AP6531a) was selected from the N-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 (N-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 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 (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**ACDC Antibody (N-term) Blocking Peptide - Images****ACDC Antibody (N-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 (N-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)