

# Human Adiponectin/Acrp30 antibody

Catalog Number: AAD0602

## PRODUCT INFORMATION

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**Catalog number**

AAD0602

**Clone No.**

1G12

**Product type**

Monoclonal Antibody

**UnitProt No.**

Q15848

**NCBI Accession No.**

NP\_004788

**Alternative Names**

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

## PRODUCT SPECIFICATION

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**Antibody Host**

Mouse

**Reacts With**

Human

**Concentration**

1mg/ml (determined by BCA assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

**Immunogen**

Recombinant human adiponectin (15-244aa) purified from E. coli

**Isotype**

IgG1 kappa

**Purification Note**

By protein-G affinity chromatography

**Application**

ELISA, WB

**Usage**

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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## Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

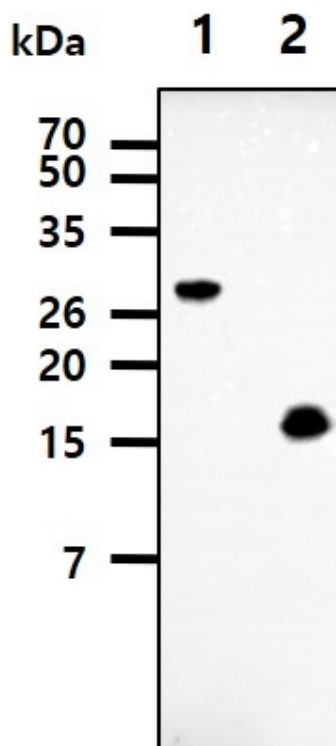
Human Adiponectin, also referred to as AdipoQ, Acrp30, apm-1 or GBP28, is a secreted protein expressed exclusively in differentiated adipocyte (adipokine). Adiponectin contains a modular structure comprising an N-terminal collagenous domain followed by a C-terminal globular domain (gAcrp30). Adiponectin plays a role in various physiological processes such as energy homeostasis and obesity. Plasma levels of adiponectin are reduced in obese humans, and decreased levels are associated with insulin resistance and hyperinsulinemia.

### General References

- Maeda K. et al., (1996) Biochem Biophys Res Commun. 221:286-9.
- Berg AH. et al., (2001) Nat Med 7:947-53.
- Berg AH. et al., (2002) Trends Endocrinol Metab. 13: 84-89.
- Yamauchi T. et al., (2002) Nat Med. 8:1288-95.

## DATA

### Western blot analysis (WB)



The recombinant proteins (10ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Adiponectin antibody (1:2000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: Human Adiponectin full length (15-244aa)

Lane 2.: Mouse Adiponectin globular domain (111-247aa)