

Datasheet: AHP1005

Description:	RABBIT ANTI ADIPONECTIN (C-TERMINAL)
Specificity:	ADIPONECTIN (C-TERMINAL)
Other names:	ADIPOQ
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			10ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1 - 2ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Species Cross Reactivity Reacts with: Human, Rat, Mouse
N.B. Antibody reactivity and working conditions may vary between species.

Product Form Purified IgG - liquid

Antiserum Preparation Antisera to Human Adiponectin (CT) were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.02% Sodium Azide (NaN₃)

Approx. Protein Concentrations IgG concentration 1.0mg/ml

Immunogen A 15 amino acid peptide located near human Adiponectin carboxy-terminus.

**External Database
Links**

UniProt:

[Q15848](#) [Related reagents](#)

Entrez Gene:

[9370](#) ADIPOQ [Related reagents](#)

Synonyms

ACDC, ACRP30, APM1, GBP28

Specificity

Rabbit anti Human adiponectin antibody recognizes an epitope within the C-terminal region (CT) of the 244 amino acid protein adiponectin (also known as Acrp30), a major adipokine secreted into the bloodstream from adipose tissue to modulate metabolism, including glucose regulation and fatty acid catabolism.

Unlike most other adipokines, Adiponectin is secreted exclusively by differentiating adipocytes at reduced levels during obesity. The serum level of Adiponectin is inversely correlated with BMI (body mass index) of an individual, and has an anti-inflammatory action, playing an important role in type II diabetes (insulin sensitivity) and atherosclerosis.

**Histology Positive
Control Tissue**

Rat brain.

Western Blotting

AHP1005 detects a band of approximately 26.4kDa in human HL60 cell lysates

Further Reading

1. Wong, G.W. *et al.* (2004) A family of Acrp30/adiponectin structural and functional paralogs. [P.N.A.S. 101: 10302-10307.](#)
2. Lihn, A.S. *et al.* (2005) Adiponectin: action, regulation and association to insulin sensitivity. [Obes. Rev. 6: 13-21.](#)
3. Trayhurn, P. and Wood, I.S. (2005) Signalling role of adipose tissue: adipokines and inflammation in obesity. [Biochem. Soc. Trans. 33: 1078-1081.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (2AB02...)

[Biotin](#)

Sheep Anti Rabbit IgG (STAR36...)

[DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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