

Datasheet: AHP1005

**BATCH NUMBER 165691**

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| <b>Description:</b>  | RABBIT ANTI ADIPONECTIN (C-TERMINAL) |
| <b>Specificity:</b>  | ADIPONECTIN (C-TERMINAL)             |
| <b>Other names:</b>  | ADIPOQ                               |
| <b>Format:</b>       | Purified                             |
| <b>Product Type:</b> | Polyclonal Antibody                  |
| <b>Isotype:</b>      | Polyclonal IgG                       |
| <b>Quantity:</b>     | 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](http://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. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

**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.

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| <b>Buffer Solution</b> | Phosphate buffered saline |
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| <b>Preservative Stabilisers</b> | 0.02% Sodium Azide (NaN <sub>3</sub> ) |
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| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0mg/ml |
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| <b>Immunogen</b> | A 15 amino acid peptide located near human Adiponectin carboxy-terminus. |
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| <b>External Database Links</b> | <b>UniProt:</b><br><a href="#">Q15848</a> <a href="#">Related reagents</a><br><br><b>Entrez Gene:</b><br><a href="#">9370</a> ADIPOQ <a href="#">Related reagents</a> |
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| <b>Synonyms</b> | ACDC, ACRP30, APM1, GBP28 |
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| <b>RRID</b> | AB_609554 |
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| <b>Specificity</b> | <p><b>Rabbit anti Human adiponectin antibody</b> 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.</p> <p>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.</p> |
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| <b>Histology Positive Control Tissue</b> | Rat brain. |
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| <b>Western Blotting</b> | AHP1005 detects a band of approximately 26.4kDa in human HL60 cell lysates |
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| <b>References</b> | 1. Su, S.C. <i>et al.</i> (2021) Growth arrest-specific 6 modulates adiponectin expression and insulin resistance in adipose tissue. <a href="#">J Diabetes Investig. 12 (4): 485-492.</a> |
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| <b>Further Reading</b> | 1. Wong, G.W. <i>et al.</i> (2004) A family of Acrp30/adiponectin structural and functional paralogs. <a href="#">Proc Natl Acad Sci U S A. 101 (28): 10302-7.</a><br>2. Lihn, A.S. <i>et al.</i> (2005) Adiponectin: action, regulation and association to insulin sensitivity. <a href="#">Obes Rev. 6 (1): 13-21.</a><br>3. Trayhurn, P. & Wood, I.S. (2005) Signalling role of adipose tissue: adipokines and inflammation in obesity. <a href="#">Biochem Soc Trans. 33 (Pt 5): 1078-81.</a> |
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| <b>Storage</b> | This product is shipped at ambient temperature. It is recommended to aliquot and store at |
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-20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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| <b>Guarantee</b> | 12 months from date of despatch |
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| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at:<br><a href="https://www.bio-rad-antibodies.com/SDS/AHP1005">https://www.bio-rad-antibodies.com/SDS/AHP1005</a><br>10040 |
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| <b>Regulatory</b> | For research purposes only |
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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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