

## Datasheet: AHP1900

<b>Description:</b>	GOAT ANTI HUMAN ADIPOR2 (N-TERMINAL)
<b>Specificity:</b>	ADIPOR2 (N-TERMINAL)
<b>Other names:</b>	ADIPONECTIN RECEPTOR PROTEIN 2
<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	▪			1/250
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/1000

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.

### Target Species

Human

### Species Cross Reactivity

Based on sequence similarity, is expected to react with: Mouse, Rat

**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

Antiserum to human AdipoR2 (NT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

<b>Preservative</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	0.1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Synthetic peptide CSRTPEPDIRLRKGHQLDGTRRGDNDSHQG corresponding to amino acids 11-40 within the N-terminal region of human AdipoR2.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q86V24</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">79602</a> ADIPOR2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	PAQR2
<b>RRID</b>	AB_2222061
<b>Specificity</b>	<p><b>Goat anti Human AdipoR2 antibody</b> recognizes an epitope within the N-terminal (NT) region of Adiponectin Receptor protein 2 (AdipoR2), a transmembrane protein and member of the ADIPOR family, expressed mainly in the liver and skeletal muscle, which acts a receptor for both globular and full-length adiponectin.</p> <p>AdipoR2 acts as a mediator of fatty acid oxidation, glucose uptake by adiponectin and increased AMPK, PPARalpha ligand activity, thereby playing an important role in the regulation of glucose and lipid metabolism, and in oxidative stress.</p> <p>Goat anti Human AdipoR2 is reported as suitable for use in immunocytochemistry on acetone fixed cells.</p>
<b>Histology Positive Control Tissue</b>	Liver and muscle
<b>References</b>	1. Shen, X. <i>et al.</i> (2012) Pioglitazone prevents hyperglycemia induced decrease of AdipoR1 and AdipoR2 in coronary arteries and coronary VSMCs. <a href="#">Mol Cell Endocrinol. 363 (1-2): 27-35.</a>
<b>Storage</b>	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>

---

**Regulatory**

For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

### Recommended Useful Reagents

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

[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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)

'M390346:210907'

**Printed on 07 Sep 2021**

---

© 2021 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)