

## Datasheet: AHP1824

<b>Description:</b>	GOAT ANTI HUMAN ADIPOR1 (N-TERMINAL)
<b>Specificity:</b>	ADIPOR1 (N-TERMINAL)
<b>Other names:</b>	ADIPONECTIN RECEPTOR PROTEIN 1
<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			▪	

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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Based on sequence similarity, is expected to react with: Broad <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to AdipoR1 (NT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	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 1.0mg/ml
<b>Immunogen</b>	Synthetic peptide SSHKGSVVAQNGAPASNREADTVE corresponding to amino acids 2-26 within the N-terminal region of AdipoR1.

**External Database  
Links**

**UniProt:**

[Q96A54](#)    [Related reagents](#)

**Entrez Gene:**

[51094](#)    ADIPOR1    [Related reagents](#)

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**Synonyms**

PAQR1, TESBP1A

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**Specificity**

**Goat anti ADIPOR1 antibody** recognises human Adiponectin receptor protein 1, also known as ADIPOR1 or Adiponectin receptor protein 1. ADIPOR1 is a 375 amino acid | kDa multipass transmembrane protein and receptor for adiponectin ([UniProt: Q96A54](#)).

Goat anti ADIPOR1 antibody recognizes an epitope within the N-terminal (NT) region of Adiponectin Receptor protein 1 . AdipoR1 is implicated in metabolic pathways, mediating increased fatty acid oxidation and glucose uptake by adiponectin. The expression of AdipoR1 in adipose tissue is decreased in obese humans, whilst weight loss results in increased expression.

AHP1824 is reported as suitable for use in immunocytochemistry of acetone fixed cells.

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**Histology Positive  
Control Tissue**

Liver and muscle

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**References**

1. Shen X *et al.* (2012) Pioglitazone prevents hyperglycemia induced decrease of AdipoR1 and AdipoR2 in coronary arteries and coronary VSMCs. [Mol Cell Endocrinol. 363 \(1-2\): 27-35.](#)

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**Storage**

Store at -20°C only.  
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.

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**Shelf Life**

18 months from date of despatch.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10304 available at:  
10304: <https://www.bio-rad-antibodies.com/uploads/MSDS/10304.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

### Recommended Useful Reagents

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

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

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