

Datasheet: AHP1900

Description:	GOAT ANTI HUMAN ADIPOR2 (N-TERMINAL)
Specificity:	ADIPOR2 (N-TERMINAL)
Other names:	ADIPONECTIN RECEPTOR PROTEIN 2
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	■			1/250
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.
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
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃) 0.1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Synthetic peptide CSRTPEPDIRLRKQHQLDGTRRGDNDSHQG corresponding to amino acids

11-40 within the N-terminal region of human AdipoR2.

**External Database
Links**

UniProt:

[Q86V24](#) [Related reagents](#)

Entrez Gene:

[79602](#) ADIPOR2 [Related reagents](#)

Synonyms

PAQR2

Specificity

Goat anti Human AdipoR2 antibody 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.

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.

Goat anti Human AdipoR2 is reported as suitable for use in immunocytochemistry on acetone fixed cells.

**Histology Positive
Control Tissue**

Liver and muscle

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.](#)

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.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

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

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 \(BUF025A\)](#)

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

'M265086:150108'

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