

Datasheet: AHP1271

**BATCH NUMBER 166528**

<b>Description:</b>	RABBIT ANTI HUMAN PPAR ALPHA (N-TERMINAL)
<b>Specificity:</b>	PPAR ALPHA (N-TERMINAL)
<b>Other names:</b>	PPARA
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## 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			▪	
ELISA	▪			1/8000 - 1/32000
Immunoprecipitation			▪	
Western Blotting	▪			1/500 - 1/1000
Functional Assays			▪	

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

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antisera to human PPAR alpha were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared from whole serum by affinity chromatography.

**Buffer Solution** 0.02 M Potassium Phosphate  
0.15 M Sodium Chloride

**Preservative** <0.1% Sodium Azide (NaN<sub>3</sub>)

**Stabilisers**

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**Approx. Protein Concentrations** IgG concentration 1.1 mg/ml

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**Immunogen** Synthetic peptide corresponding to amino acids 1-18 of human PPAR alpha.

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**External Database Links**

**UniProt:**  
[Q07869](#)   [Related reagents](#)

**Entrez Gene:**  
[5465](#) PPARA   [Related reagents](#)

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**Synonyms** NR1C1, PPAR

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**RRID** AB\_2165752

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**Specificity** **Rabbit anti PPAR alpha antibody** detects an epitope within the N-terminal region of human peroxisome proliferator-activated receptor, alpha (PPARA), a member of the nuclear hormone receptor subfamily. Upon activation, PPARA forms heterodimers with retinoid X receptors (RXRs), and functions to regulate transcription of specific gene sequences. In particular, PPARA controls genes involved in the peroxisomal and mitochondrial beta oxidation pathways, fatty acid uptake, and triglyceride catabolism in the liver and skeletal muscle.

PPARA also has anti-inflammatory and anti-proliferative effects and prevents the proatherogenic effects of cholesterol accumulation in macrophages by stimulating cholesterol efflux.

PPARA is the main target of fibrate drugs; hypolipidemic agents used in the treatment of dyslipidemia and the prevention of cardiovascular disease. They could also be used for the treatment of type II diabetes.

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**Western Blotting** AHP1271 detects a band of approximately 52kDa in 3T3 whole cell lysate.

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**Further Reading**

1. Haluzík, M.M. & Haluzík, M. (2006) PPAR-alpha and insulin sensitivity. [Physiol Res. 55 \(2\): 115-22.](#)
2. Lefebvre, P. *et al.* (2006) Sorting out the roles of PPAR alpha in energy metabolism and vascular homeostasis. [J Clin Invest. 116 \(3\): 571-80.](#)

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**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -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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**Guarantee** 12 months from date of despatch

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**Health And Safety Information**      Material Safety Datasheet documentation #20476 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP1271>  
20476

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**Regulatory**                      For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)      [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...)      [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

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

**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

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                            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://www.bio-rad-antibodies.com/datasheets)

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