

## Datasheet: AHP1272

<b>Description:</b>	RABBIT ANTI PPAR DELTA (N-TERMINAL)
<b>Specificity:</b>	PPAR DELTA (N-TERMINAL)
<b>Other names:</b>	PPARD
<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	▪			1/30000 - 1/70000
Immunoprecipitation			▪	
Western Blotting	▪			1/500 - 1/2000
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

Mouse

### Species Cross Reactivity

Based on sequence similarity, is expected to react with: Rabbit, Chimpanzee, Rat, Human  
**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 PPAR delta were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared from whole serum by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Syntetic peptide corresponding to amino acids 1-14 of mouse PPAR delta.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P35396</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">19015</a>    Ppard    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Nr1c2, Pparb
<b>RRID</b>	AB_872033
<b>Specificity</b>	<p><b>Rabbit anti PPRAD antibody</b> detects peroxisome proliferator-activated receptor, delta (PPARD), a member of the nuclear hormone receptor subfamily. Upon activation, PPARD forms heterodimers with retinoid X receptors (RXRs), and functions to regulate transcription of specific gene sequences. PPARD controls genes involved in lipid metabolism, and enhances fatty acid catabolism and energy uncoupling in adipose tissue and skeletal muscle.</p> <p>PPARD has also been implicated in the proliferation and differentiation of preadipocytes, enterocytes, keratinocytes and the placenta.</p> <p>PPARD agonists could be used therapeutically to target multiple components of the metabolic syndrome, including insulin resistance, hyperglycemia, dyslipidemia, and atherosclerosis.</p>
<b>Western Blotting</b>	AHP1272 detects a band of approximately 55kDa in heart whole cell lysates.
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. Luquet, S. <i>et al.</i> (2005) Roles of PPAR delta in lipid absorption and metabolism: a new target for the treatment of type 2 diabetes. <a href="#">Biochim Biophys Acta. 1740 (2): 313-7.</a></li> <li>2. Barish, G.D. <i>et al.</i> (2006) PPAR delta: a dagger in the heart of the metabolic syndrome. <a href="#">J Clin Invest. 116 (3): 590-7.</a></li> <li>3. Grimaldi, P.A. (2005) Regulatory role of peroxisome proliferator-activated receptor delta (PPAR delta) in muscle metabolism. A new target for metabolic syndrome treatment? <a href="#">Biochimie. 87 (1): 5-8.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</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</p>

microcentrifugation before use.

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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: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
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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](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

### Recommended Useful Reagents

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 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 Fax: +44 (0)1865 852 739 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 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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