

## Datasheet: AHP1269

<b>Description:</b>	RABBIT ANTI PPAR GAMMA
<b>Specificity:</b>	PPAR GAMMA
<b>Other names:</b>	PPARG
<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			▪	
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

### Species Cross Reactivity

Based on sequence similarity, is expected to react with: Mouse, Dog, Hamster, Rabbit, Mink, Rat, Guinea Pig, Macaque, Duck

**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 gamma 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>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Synthetic peptide corresponding to amino acids 255 - 268 of human PPAR gamma isoform 1.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P37231</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5468</a>    PPARG    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	NR1C3
<b>RRID</b>	AB_2166054
<b>Specificity</b>	<p><b>Rabbit anti Human PPAR gamma antibody</b> detects human peroxisome proliferator-activated receptor <math>\gamma</math> (PPARG), a member of the nuclear hormone receptor subfamily of transcription factors. Upon activation, PPARG forms heterodimers with retinoid X receptors (RXRs), and functions to regulate transcription of specific gene sequences. PPARG is principally involved in the cellular assimilation of lipids, with key roles in adipocyte differentiation and adipogenesis.</p> <p>Two alternatively spliced isoforms of PPARG exist, termed PPARG1 and PPARG2, which are identical except for an additional 30 amino acids at the N-terminus of PPARG2. This results in a predominant adipocyte localisation for PPARG2, whilst PPARG1 is ubiquitously expressed.</p> <p>PPARG has been implicated in the pathology of numerous diseases including obesity, diabetes, atherosclerosis and cancer.</p>
<b>References</b>	1. Wu, H. <i>et al.</i> (2017) Decreased PPAR- $\gamma$ expression after internal carotid artery stenting is associated with vascular lesions induced by smooth muscle cell proliferation and systemic inflammation in a minipig model. <a href="#">Int J Clin Exp Pathol 2017;10(7): 7375-83.</a>
<b>Further Reading</b>	1. Lazar, M.A. (2005) PPAR gamma, 10 years later. <a href="#">Biochimie. 87 (1): 9-13.</a> 2. Lehrke, M. & Lazar, M.A. (2005) The many faces of PPARgamma. <a href="#">Cell. 123 (6): 993-9.</a>
<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in</p>

frost-free freezers is not recommended.

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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](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

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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)  
'M389127:210806'

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