

Datasheet: AHP1269

BATCH NUMBER 158154

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| Description: | RABBIT ANTI PPAR GAMMA |
| Specificity: | PPAR GAMMA |
| Other names: | PPARG |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 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.

| | 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.

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| 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.

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| Buffer Solution | Phosphate buffered saline |
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| Preservative Stabilisers | 0.01% Sodium Azide (NaN ₃) |
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| Approx. Protein Concentrations | IgG concentration 1.0mg/ml |
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| Immunogen | Synthetic peptide corresponding to amino acids 255 - 268 of human PPAR gamma isoform 1. |
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| External Database Links | UniProt: P37231 Related reagents Entrez Gene: 5468 PPARG Related reagents |
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| Synonyms | NR1C3 |
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| RRID | AB_2166054 |
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| Specificity | <p>Rabbit anti Human PPAR gamma antibody detects human peroxisome proliferator-activated receptor γ (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> |
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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.

PPARG has been implicated in the pathology of numerous diseases including obesity, diabetes, atherosclerosis and cancer.

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| References | 1. Wu, H. <i>et al.</i> (2017) Decreased PPAR- γ expression after internal carotid artery stenting is associated with vascular lesions induced by smooth muscle cell proliferation and systemic inflammation in a minipig model. Int J Clin Exp Pathol 2017;10(7): 7375-83. |
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| Further Reading | 1. Lazar, M.A. (2005) PPAR gamma, 10 years later. Biochimie. 87 (1): 9-13. 2. Lehrke, M. & Lazar, M.A. (2005) The many faces of PPARGgamma. Cell. 123 (6): 993-9. |
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| Storage | Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. |
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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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| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AHP1269 10040 |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

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|----------------------------------|---|------------------|---|---------------|---|
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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://www.bio-rad-antibodies.com/datasheets)
'M363874:200529'

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