

Datasheet: AHP1269

BATCH NUMBER 170814

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.

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.

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.

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.

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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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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