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Datasheet for ABIN1386283

## anti-PPARG antibody (AA 315-420)

5 Images

2 Publications

### Overview

Quantity:	100 µL
Target:	PPARG
Binding Specificity:	AA 315-420
Reactivity:	Human, Mouse, Rat, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPARG antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PPAR Gamma
Isotype:	IgG
Cross-Reactivity:	Goat, Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig
Purification:	Purified by Protein A.

### Target Details

Target:	PPARG
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## Target Details

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Alternative Name: PPAR Gamma ([PPARG Products](#))

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Background: Synonyms: GLM1, CIMT1, NR1C3, PPARG1, PPARG2, PPARgamma, Peroxisome proliferator-activated receptor gamma, PPAR-gamma, Nuclear receptor subfamily 1 group C member 3, PPARG

Background: Nuclear receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. Once activated by a ligand, the nuclear receptor binds to DNA specific PPAR response elements (PPRE) and modulates the transcription of its target genes, such as acyl-CoA oxidase. It therefore controls the peroxisomal beta-oxidation pathway of fatty acids. Key regulator of adipocyte differentiation and glucose homeostasis. ARF6 acts as a key regulator of the tissue-specific adipocyte P2 (aP2) enhancer. Acts as a critical regulator of gut homeostasis by suppressing NF-kappa-B-mediated proinflammatory responses. Plays a role in the regulation of cardiovascular circadian rhythms by regulating the transcription of ARNTL/BMAL1 in the blood vessels (By similarity).

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Gene ID: 5468

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UniProt: [P37231](#)

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Pathways: [MAPK Signaling](#), [Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#), [Negative Regulation of Hormone Secretion](#), [Carbohydrate Homeostasis](#), [Regulation of Lipid Metabolism by PPARalpha](#), [Positive Regulation of Endopeptidase Activity](#), [Brown Fat Cell Differentiation](#), [Positive Regulation of fat Cell Differentiation](#)

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## Application Details

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
FCM 1:20-100  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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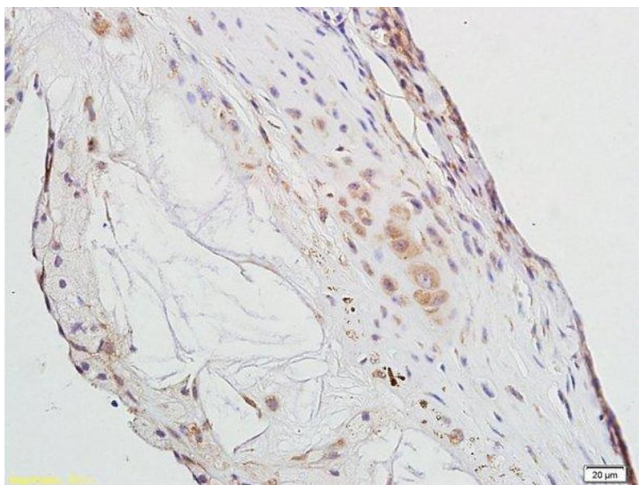
## Handling

Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Publications

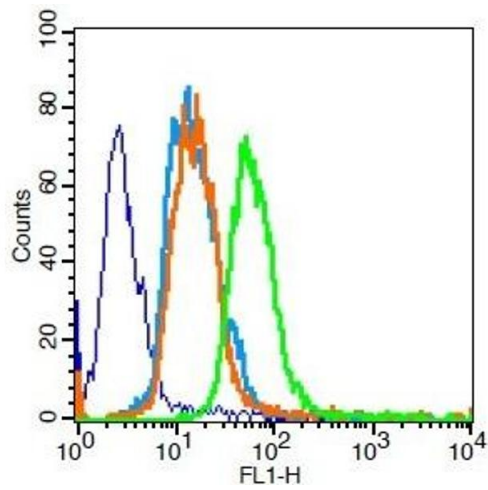
- Product cited in:
- Dervishi, Gozutok, Murnan, Gautam, Heller, Bigio, Ozdinler: "Protein-protein interactions reveal key canonical pathways, upstream regulators, interactome domains, and novel targets in ALS." in: **Scientific reports**, Vol. 8, Issue 1, pp. 14732, (2019) ([PubMed](#)).
- Sun, Zeng, Cao, Song, Zhang, Liu: "Vibration Training Triggers Brown Adipocyte Relative Protein Expression in Rat White Adipose Tissue." in: **BioMed research international**, Vol. 2015, pp. 919401, (2015) ([PubMed](#)).

## Images



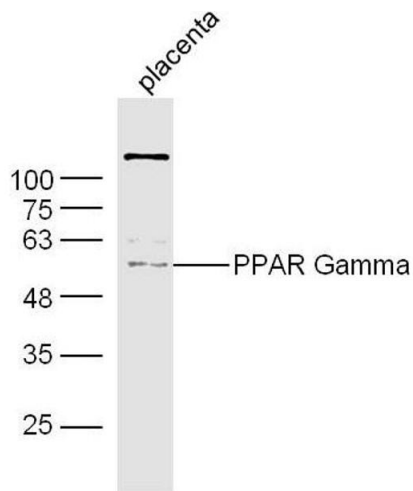
### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded rat aorta tissue labeled with Anti-PPAR Gamma Polyclonal Antibody, Unconjugated (ABIN1386283) at 1:300 followed by conjugation to the secondary antibody



### Flow Cytometry

**Image 2.** U251 cells probed with PPAR Gamma Polyclonal Antibody, Unconjugated for 30 minutes followed by incubation with a conjugated secondary (FITC Conjugated) (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).



**Image 3.** Mouse Placenta lysates probed with PPAR Gamma Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1386283.