

**PPARG antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI10074**

**Specification**

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**PPARG antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">P37231</a>
Other Accession	<a href="#">P37231</a> , <a href="#">NP_056953</a> , <a href="#">NM_015869</a>
Reactivity	Human, Pig, Dog
Predicted	Human, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57 kDa KDa

**PPARG antibody - N-terminal region - Additional Information**

**Gene ID** 5468

**Alias Symbol** NR1C3, PPARG1, PPARG2, GLM1, CIMT1, PPARgamma

**Other Names**

Peroxisome proliferator-activated receptor gamma, PPAR-gamma, Nuclear receptor subfamily 1 group C member 3, PPARG, NR1C3

**Target/Specificity**

PPARG is a receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. Once activated by a ligand, the receptor binds to a promoter element in the gene for acyl-CoA oxidase and activates its transcription. It therefore controls the peroxisomal beta-oxidation pathway of fatty acids. PPARG is the key regulator of adipocyte differentiation and glucose homeostasis. This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) subfamily of nuclear receptors. PPARs form heterodimers with retinoid X receptors (RXRs) and these heterodimers regulate transcription of various genes. Three subtypes of PPARs are known: PPAR-alpha, PPAR-delta, and PPAR-gamma. The protein encoded by this gene is PPAR-gamma and is a regulator of adipocyte differentiation. Additionally, PPAR-gamma has been implicated in the pathology of numerous diseases including obesity, diabetes, atherosclerosis and cancer. Alternatively spliced transcript variants that encode different isoforms have been described.

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-PPARG antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

PPARG antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## PPARG antibody - N-terminal region - Protein Information

**Name** PPARG

**Synonyms** NR1C3

### Function

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 pro-inflammatory responses. Plays a role in the regulation of cardiovascular circadian rhythms by regulating the transcription of BMAL1 in the blood vessels (By similarity).

### Cellular Location

Nucleus. Cytoplasm. Note=Redistributed from the nucleus to the cytosol through a MAP2K1/MEK1-dependent manner. NOCT enhances its nuclear translocation

### Tissue Location

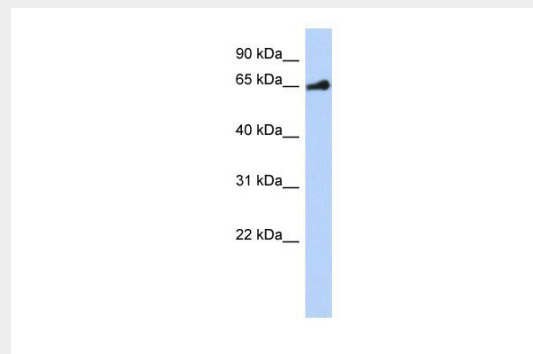
Highest expression in adipose tissue. Lower in skeletal muscle, spleen, heart and liver. Also detectable in placenta, lung and ovary.

## PPARG antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## PPARG antibody - N-terminal region - Images



PPARG antibody - N-terminal region (AI10074) in Human Jurkat cells using Western Blot

WB Suggested Anti-PPARG Antibody Titration: 0.2-1 µg/ml  
ELISA Titer: 1:500  
Positive Control: Jurkat cell lysate

### **PPARG antibody - N-terminal region - Background**

This is a rabbit polyclonal antibody against PPARG. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ([sales@abgent.com](mailto:sales@abgent.com)).