

**PPAR gamma Antibody**  
Rabbit mAb  
Catalog # AP91106

## Specification

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### PPAR gamma Antibody - Product Information

Application	WB
Primary Accession	<a href="#">P37231</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
CIMT1; GLM1; NR1C3; PPAR gamma; PARG; PPARG1; PPARG2;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	57620 Da

### PPAR gamma Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PPAR gamma
Description	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. Key regulator of adipocyte differentiation and glucose homeostasis.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### PPAR gamma Antibody - 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

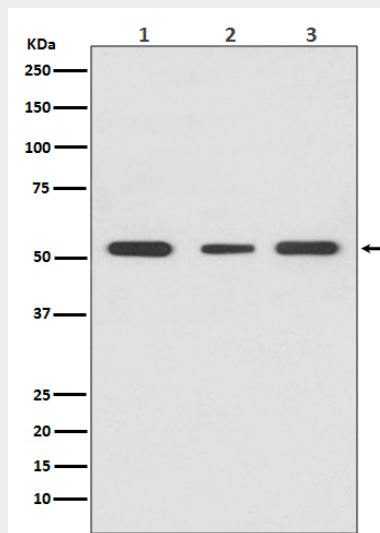
Highest expression in adipose tissue. Lower in skeletal muscle, spleen, heart and liver. Also detectable in placenta, lung and ovary.

### PPAR gamma Antibody - 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](#)

### PPAR gamma Antibody - Images



Western blot analysis of PPAR gamma expression in (1) HeLa cell lysate; (2) PC-3 cell lysate; (3) THP-1 cell lysate.